



Courses of Instruction

Sections of courses are listed in alphabetical order, by the prefix of the academic discipline. Credit notations on the far right are in the pattern 3-0-3. The first number is the number of lecture hours (or equivalent) each week; the second number is the number of laboratory hours (or equivalent) each week; the third number is the number of semester hours credit. The suffix H designates Honors Courses; the suffix K designates courses in which a laboratory is included; the suffix L designates a lab course that is separate.

ACCT: ACCOUNTING

ACCT 2101 Principles of Accounting I 3-0-3

An introduction to financial accounting that emphasizes accounting's role in business and society. The course develops an understanding of the financial statements of economic entities.

ACCT 2102 Principles of Accounting II 3-0-3

Prerequisite: ACCT 2101 with a grade of C or better. An introduction to managerial accounting. Emphasis is placed on understanding internal accounting documents and analyzing these documents to render logical and economically feasible decisions.

ACCT 3201 Intermediate Accounting I 3-0-3

Prerequisite: ACCT 2102. An examination of the authoritative standards, theoretical foundations, and practical concerns that underlie generally accepted accounting principles for financial accounting and reporting.

ACCT 3202 Intermediate Accounting II 3-0-3

Prerequisite: ACCT 3201. A continuation of the topics begun in ACCT 3201.

ACCT 3240 Managerial Accounting 3-0-3

Prerequisite: ACCT 2102. A continuation of the concepts, practices, and utilization of internal accounting information for management decision making. The course looks particularly at relevant costs, segmental analysis, budgeting, activity based costing and cost behavior analysis.

ACCT 3400 Cost Accounting 3-0-3

Prerequisite: ACCT 2102. A study of product cost determination. Inventory valuation, planning, control, and financial reporting are emphasized in this course.

ACCT 3900 Not-For-Profit Accounting 3-0-3

Prerequisite: ACCT 2102. A study of fund theory and practice. Accounting for governmental entities, educational organizations and other not-for-profit entities are examined.

ACCT 4220 Advanced Accounting 3-0-3

Prerequisite: ACCT 3202. Concepts and techniques necessary for the preparation of consolidated financial statements and accounting for partnerships. The course is primarily designed as an intensive study of working papers necessary to integrate the financial information of multiple legal entities into a single set of statements reflecting the single economic entity.

ACCT 4410 Accounting Information Systems 3-0-3

Prerequisite: ACCT 3201 and ACCT 3400. An introduction to the use of accounting information systems within an organization. The control and communication of files and databases are studied. Applications requiring the use of spreadsheets, relational databases and general ledger software applications are used in this course.

ACCT 4500 Individual Income Tax 3-0-3

Prerequisite: ACCT 2102. Introduction to federal income taxes including the elements of income, income exclusions, tax credits, capital gains and losses. Emphasis is placed on under-

standing the executive, legislative and judicial aspects of the tax law. Research is required.

ACCT 4800 Introduction to Operational Auditing

3-0-3

Prerequisite: ACCT 3202 and ACCT 3400. Introduction to operational auditing from a management perspective. Emphasis is placed on auditing for efficiency and effectiveness, including measuring and managing risk and performance, evaluating business activities and processes, and fraud investigation.

ACCT 4850 Accounting Internship

3-0-3

Prerequisite: Faculty approval. The application of academic accounting skills and values in an employment situation. A research project, approved by a faculty member and the employer, is required.

ACCT 4990 Directed Study in Accounting

3-0-3

Prerequisite: Faculty approval. A special project undertaken by the student. The project is guided by a faculty member and culminates in a research report.

AFAM: AFRICAN AMERICAN STUDIES

AFAM 2020 Race, Class, and Gender

3-0-3

Also offered as WMST 2020. This 2000 level course is a core course, not an elective for the AFA minor. An exploration of social class, gender and racial/ethnic relations as distinct, but linked dimensions of social inequality. Includes an examination of the historic underpinnings of discrimination by race, class and gender and the present status of these issues.

AFAM 3000 Introduction to African American Studies

3-0-3

An introduction to key concepts, thematic concerns, and the theoretical and philosophical bases for African American Studies. To include perspectives and strategies for the analysis and understanding of the impact of African Americans on the socio-economic, cultural, political, and religious developments of America.

AFAM 3090 Sub-Saharan Africa

3-0-3

Also Offered as ANTH 3090. The study of Sub-Saharan Africa from an anthropological perspective, including beliefs, practices, and customs of African societies and how they affect the way people live. Examines the geography, climate, history, economics, and religious and social systems of the continent.

AFAM 3220 Studies in African American Literature

3-0-3

Also offered as ENGL 3220. Prerequisite: ENGL 2110, 2120, 2130, or 2140.

A study of selected topics in African American literature. May be repeated, but only 3 hours may be counted toward distribution requirements for the AFAM minor.

AFAM 3320 Studies in African Literature

3-0-3

Also offered as ENGL 3320. Prerequisite: ENGL 2110, 2120, 2130, or 2140.

A study of selected topics in African literature. May be repeated, but only 3 hours may be counted toward distribution requirements for the AFA minor.

AFAM 4231 African American History to 1865

3-0-3

Also offered as HIST 4231. The history of the African Americans from their origin in Africa to the end of slavery in the U.S., with emphasis on their economic life and social thought.

AFAM 4232 African American History Since 1865

3-0-3

Also offered as HIST 4232. The history of the African American struggle for equality after emancipation, with special focus on the problems of black leadership from Frederick Douglass to the Black Panthers.

AFAM 4511 Precolonial Africa

3-0-3

Also offered as HIST 4511. An analysis of the 8000-year-old cultures of the Nile Valley, including Egypt, Nubia, and Kush; West Africa and its contacts with the Middle East and Europe; the East African city-states and their contacts with India.

AFAM 4512 Modern Africa

3-0-3

Also offered as HIST 4512. Explores the European colonization of Africa and the African response. The course also examines the emergence of African nationalism and the problems of creating new states.

AFAM 4700 African American Studies Seminar

3-0-3

Prerequisite: AFAM 3000 and at least two AFAM 3000 level course electives. An interdisciplinary seminar on selected topics, providing a capstone experience.

ANTH: ANTHROPOLOGY

ANTH 1102 Introduction to Anthropology

3-0-3

An introduction to the origins, evolution, and

present-day adaptations of the world's peoples. Emphasis on the study of fossils, archaeological remains, and culturally diverse life ways.

ANTH 1102H Introduction to Anthropology, Honors

3-0-3

Fundamentals of anthropology, with particular focus on such disciplinary subfields as physical anthropology, archaeology, and cultural anthropology. Emphasis is on the employment of the anthropological perspective, and the application of anthropological concepts and models to contemporary issues and problems.

ANTH 3010 Physical Anthropology

3-0-3

Prerequisites: ANTH 1102 or permission of instructor. The study of the biological origins of the human species. An emphasis is placed on human evolution, genetics, primatology, and the interaction between culture and biology.

ANTH 3020 Culture and Personality

3-0-3

Prerequisites: ANTH 1102 or permission of instructor. A cross-cultural survey of the relationship between culture and personality. Attention is directed to the interplay of cultural and social variables in the development of identity. Specific foci include mental illness, aggression, altered states of consciousness, and individual adaptation to social change.

ANTH 3030 Archaeological Techniques

2-2-3

Prerequisite: ANTH 1102 or permission of instructor. An introduction to the theory and techniques of archaeology as well as their practical application. Students will participate in fieldwork, including archaeological survey, excavation, and laboratory analysis.

ANTH 3040 Cultural Anthropology

3-0-3

Prerequisite: ANTH 1102 or permission of instructor. An introduction to the nature of cultural anthropology through a cross-cultural analysis of cultural systems and social organizations. Specific theoretical approaches are applied to case materials from cultural systems around the world including those within our society.

ANTH 3070 Magic, Religion, and Witchcraft

3-0-3

Prerequisite: ANTH 1102 or permission of instructor. A cross-cultural survey of varieties of religious expression. Emphasis is placed on ritual, mythic, and symbolic dimensions of religion and the way religion interrelates with other social institutions.

ANTH 3090 Sub-Saharan Africa

Also Offered as AFAM 3090. Prerequisite: ANTH 1102 or permission of instructor. The

study of Sub-Saharan Africa from an anthropological perspective, including beliefs, practices, and customs of African societies and how they affect the way people live. Examines the geography, climate, history, economics, and religious and social systems of the continent.

ANTH 3120 Archaeology of Eastern North America

3-0-3

Prerequisites: ANTH 1102 or permission of instructor. A study of cultural development in eastern North America, employing archaeological, ethnohistorical, and historical perspectives. The temporal boundaries are the arrival of humans in the region until the nineteenth century. Native American and Euroamerican culture history will be explored.

ANTH 3130 Indians of North America

3-0-3

Prerequisites: ANTH 1102 or permission of instructor. A survey of the lifestyles of North American Indians following contact with Europeans. Groups from all regions of North America are included, and the course examines native lifestyles at particular points in time. Primary emphasis is on environmental adaptation and economy of each group; in addition, social and political organization, religion, material culture, arts, and other aspects of culture are discussed.

ANTH 3160 Experimental Archaeology

1-4-3

Prerequisite: ANTH 1102 or permission of the instructor. An introduction to primitive technology with an emphasis on recreating past tools and utensils in an attempt to understand past lifeways. Lab fee required.

ANTH 3500 Anthropological Theory

3-0-3

Prerequisites: SOCI 3000. An historical survey of the development of anthropological theory, with a primary focus on the anthropological perspective and including an introduction to general social science. Students will develop a competent review of literature in an area of anthropology.

ANTH 3510 Anthropological Research

3-0-3

Prerequisites: SOCI 3000. An introduction to the concepts and methods of anthropological research. The emphasis is on developing familiarity with the various research strategies employed by cultural anthropologists and their application. Course work culminates with the design of a research proposal.

ANTH 3910 Anthropology of Law

3-0-3

Prerequisite: ANTH 1102 or permission of instructor. The study of legal systems and con-

flict resolution styles in nonWestern societies. The varieties of legal understandings and procedures are explored, and characteristics of specific legal processes are related to other institutional spheres, such as economics, kinship, and religion.

ANTH 4040 Sociocultural Change

3-0-3

Prerequisite: ANTH 1102 or permission of instructor. An examination of sociocultural changes occurring in tribal and peasant societies in response to modernization. Particular attention is focussed on the articulation of these societies with the larger national and global systems, the resulting inequalities, types of social and cultural disruptions experienced, and the range of responses to change.

ANTH 4540 Internship in Anthropology

1-0-1 to 3-0-3

Prerequisites: Permission of advisor and Internship Coordinator. **Must be taken concurrently with SOCI 4990 Senior Capstone.** Supervised, practical experience in an appropriate community agency; an opportunity for students of demonstrated maturity and judgment to discover the integration between theory and practice and make applications. Graded on satisfactory/unsatisfactory basis.

ANTH 4900 Special Topics in Anthropology

1-0-1 to 3-0-3

Prerequisites: ANTH 1102 or permission of instructor. Topics vary. Designed to provide an intensive study in a current topic relevant to anthropology. May be repeated for credit.

ANTH 4980 Directed Study in Anthropology

1-0-1 to 3-0-3

Prerequisites: ANTH 1102 or permission of instructor. Study in an area or subject not normally found in established courses offered by the department; may also allow the student to explore in more detail a topic which is normally covered by the department. May be repeated for credit.

ART: ART APPRECIATION

ART 1100 Introduction To The Visual Arts

3-0-3

An introductory survey of world art from prehistory to the contemporary period. Credit for this course may not be used to satisfy requirements for area F or senior curriculum requirements for ART or ARED majors.

ART 1100H Honors Introduction To The Visual Arts 3-0-3

An introductory survey of world art, at the Honors level, from prehistoric to the contemporary

period, set in the context of historical, political, economic, and social events.

ARED: ART EDUCATION

ARED 2010 Introduction to Crafts

0-6-3

Prerequisite: ART 1030 - 3-D Design or permission of the Department Head. An introduction to basic crafts techniques and media including glass, enamel, paper, fiber, and textile.

ARED 2020 Art Education For Early Childhood And Middle School Teachers

3-0-3

Prerequisites: CIED 2000 and PSYC 2700. The study of art education philosophies, goals, content, media, materials, and methods appropriate for all children, P-8th grade. Emphasis placed on Discipline-Based Art Education theory and activities. May not be used to satisfy requirements for the Art Education degree. Purchase of art materials is required.

ARED 3010 Methods, Management, and Materials for Art Education (P-12)

0-6-3

Prerequisite: ARED major and junior standing. Emphasis placed on the development of materials for instruction and preparation of professional materials including a resume. Senior exhibition experience is required. This course must be taken the same semester as ARED 4090 - Student Teaching. This is a studio course.

ARED 3030 Creative Problem Solving and Visual Thinking Techniques

0-6-3

The study of creative behaviors. Theories of creativity, creative problems solving, blocks to creative behavior, and the relationship between creativity, cognition, and visual thinking are topics. Emphasis on strategies to enable creative behaviors. This is laboratory class and meets 6 hours per week.

ARED 3040 Art Criticism and Aesthetic Inquiry

2-0-2

Prerequisite: Art Education major or permission of the department head. The study of the theories and practices of art criticism and aesthetic inquiry associated with art and art education.

ARED 3050 Curricular and Assessment Models for Art Education (P-12)

3-0-3

Prerequisite: PSYC 3100. The study of curricular models and contemporary authentic assessment and evaluation approaches commonly associated with public school art education programs, P-12. Theoretical constructs and practical methods will be reviewed.

ARED 4070 Seminar in Art Education (P-12)

3-0-3

Prerequisite: PSYC 3100. Taken with ARED 4090 - Student Teaching. Emphasis on professional expectations, instructional and curricular issues and problems found in the school setting. Senior exhibition experience is required.

ARED 4080 Internship in Art Education

3-0-3

Prerequisite: ARED 3050, ARED 3010 or equivalent, and permission of the Department Head. Supervised art education teaching experience for individuals who have a degree, have passed PRAXIS II, and are under contract to a school system. Must be taken 3 consecutive semesters to earn 9 hours of credit. Graded "S" or "U". Leads to certification.

ARED 4090 Student Teaching in Art Education

0-0-9

Prerequisite: Completion of the professional education sequence. The culminating professional experience scheduled during the final semester of University enrollment. The student is provided with a supervised teaching experience in any one of three settings, elementary school, middle school, or senior high school. Graded "S" or "U".

ARTH: ART HISTORY

ARTH 1120 Fundamental Concepts in the Visual Arts 3-0-3

Restricted to ART and ARE majors and art minor only. Survey of the major artistic achievements of world art from prehistory to the present. Discussion of the visual language of art and methods, techniques, approaches, and disciplines.

ARTH 3120 Special Topics in Art History

3-0-3

Prerequisite: ARTH 3122. The study of unique or special content in the visual arts.

ARTH 3121 Survey of Art History I

3-0-3

Prerequisite: ART 1120. A survey of world art from prehistory through Medieval.

ARTH 3122 Survey of Art History II

3-0-3

Prerequisite: ARTH 3121. A survey of world art beginning with the Proto-Renaissance through the late 20th century.

ARTH 4120 Issues in Art Criticism

3-0-3

Prerequisite: ARTH 3121. Selected issues from the discipline of art criticism.

ARTH 4130 Women Artists

3-0-3

Prerequisite: ARTH 3122. The study of art

forms created by women artists in western as well as non western cultures.

ARTH 4140 African American Art History

3-0-3

Prerequisite: ARTH 3122. The study of the arts and crafts created by African American artists from the late 18th century up to the contemporary period.

ARTH 4150 Contemporary Art History

3-0-3

Prerequisite: ARTH 3122. The study of contemporary art movements in the 20th century to the present day.

ARID: Interior Design

ARID 2111 Interior Design Studio I

0-6-3

Perquisite: ART 1030, ART 1011 and ARTH 1120 or permission of Department Head. **Corequisite: must be taken concurrently with ARID 2310.** Explorations of spaces of smaller scale and clearly delineated functions and needs. Emphasis on design process methodology and communications of findings and solutions. Graphics emphasize freehand sketching, color, and black and white media. Field trips and site visits are required.

ARID 2112 Interior Design Studio II

0-6-3

Prerequisite: ARID 2111. This course extends the studies begun in Studio I into spaces of limited scale but involves more complex considerations of function, aesthetics, needs, and user satisfaction. Continued emphasis on communication of ideas and solutions through varied graphic formats and words. Includes freehand sketching, technical drawing, etc. Site visits and field trips required.

ARID 2310 Interior Design Graphics & Presentation

1-2-2

Prerequisite: ART1030, ART 1011. **Corequisite: ARID 2111 must be taken concurrently.** Exploration of graphic, written and verbal presentation techniques. Application of principles of layout and composition. Experimentation with media and materials. Emphasis on developing skill in freehand sketching.

ARID 3111 Interior Design Studio III

0-6-3

Prerequisite: ARID 2112 and portfolio review. Introduces topics and spaces of increasing scale and complexity in terms of function, aesthetics, needs and user satisfac-

tion. Emphasis on communication of ideas through varied graphic formats: freehand sketches, technical drawings, computer applications, etc. Includes application of building codes, principals of universal design, and use of materials from sustainable sources. A variety of non-residential spaces are explored through projects. Residential spaces limited to institutional and hospitality applications.

ARID 3112 Interior Design Studio IV

0-6-3

Prerequisite: ARID 3111. Consideration of larger scale spaces with diverse and complex issues to resolve. Production of working drawings, documentation of design thinking from concept development through final presentation of solution(s). Emphasis on refining design thinking and communication skills. Site visits and fieldtrips required.

ARID 3211 History of Interiors

2-0-2

Prerequisite: ARTH 1120. Introduction to the aesthetic, technical, functional and social issues inherent in the design and use of interiors of selected times and places. A variety of cultures and contexts are examined and compared. Examples of the built environment are presented in detail: site, structure, materials, furnishings, and distinguishing features. Illustrated lectures and collaborative learning. Research, papers, and site visits required. Emphasis on writing and application of design terminology.

ARID 3212 History of Interiors II

2-0-2

Prerequisite: ARID 3211. Varied historical times, topics, and locations. Exploration of the role of the interior designer and the design profession in the shaping and use of the built environment. Emphasis on contemporary issues. Research and site visits required. Emphasis on writing.

ARID 3320 Materials for Interior Design

0-4-2

Prerequisite: ARED 2112, ARID 2310. Introduction and exploration of the materials and methods used in the fabrication of interior furnishing and spaces. Applications of varied materials and creation of a source notebook/reference. Research and site visits required.

ARID 3340 Furniture Design

0-6-3

Prerequisite: ARID 2112, ARID 2310, **successful completion of the shop safety exam.** Introduction to the materials and methods used in the design and fabrication of furnishings. Explores performance, aesthetics,

and cost factors, etc. Complete design(s) including initial drawings, working drawings, finished piece at model and/or full scale. Work to be completed under the supervision of shop supervisor/designated personnel only. Charge for materials.

ARID 3350 Lighting & Building Systems

0-6-3

Prerequisite: ARID 2112. Introduction to aesthetic and technical considerations of lighting and other building systems required for the comfortable use of interior spaces. Addresses plumbing, HVAC, solar, varied new products and systems from domestic and international sources. Case studies, computations, site visits, and research required.

ARID 3411 Computers for Interior Design

0-6-3

Prerequisite: ART 2030. Introduction to computer aided design and drafting (CADD), Varied software and applications for 3D visualization and design communication. Emphasis on gaining skills in the use of the computer as a tool in creating and communicating design solutions. Work may be linked to design studio projects.

ARID 4000 Special Topics

0 to 3- 0 to 6-2 to 3

Relevant topics not included in the official interior design curriculum. Format may vary.

ARID 4010 Interior Design Internship

0-0-3

Prerequisite: Junior Standing in Interior Design and ARID 3112. Taken during summer between junior and senior years. Learning through working in the profession. Placement determined through collaborative efforts of student, internship supervisor, and field supervisor. Interviews may be required. Assessment reviews completed by student, internship supervisor, and field supervisor. Requires preparation and meetings prior to and following the internship experience. Written documentation through journal and reports.

ARID 4111 Interior Design Studio V

0-6-3

Prerequisite: ARID 4010. Large scale spaces with complex issues to decipher and incorporate into the design process and solutions. Emphasis on refinement of application of design process including creative and critical thinking, research skills, and graphic, written and verbal presentation skills. Team project(s) required. Design and documentation of custom furnishings/casework required. Site visits and field trips required.

ARID 4112 Interior Design Studio VI

0-6-3

Prerequisite: ARID 4111. Culmination of studio work. Largest spaces with intricate criteria to explore, document; incorporate into the design process and to communicate through varied media and methods. In depth exploration of selected topic included. Collaborative work, site visits, and field trips required.

**ARID 4210 Historic Interiors/
Contemporary Uses**

2-0-2

Prerequisite: ARTH 3122. Introduction to restoration, preservation and adaptive use of interior spaces and structures. Understanding of local, state, federal and international programs, policies, and organizations involved in studying and sustaining the built environment. Explores issues, ethics and economics of selected examples. Case studies, research, and site visits required.

ARID 4510 Interior Design Portfolio

1-2-2

Prerequisite: ARID 4111. Coursework includes the development of a package of work which best conveys the range of knowledge and skills attained by the individual student. Includes resume design and production.

ARID 4610 Professional Practice

2-0-2

Prerequisite: ARID 3112. Introduction to the profession of interior design: organizations, registration requirements, qualification criteria and testing, ethics, business practices, paperwork, legal issues, etc. Site visits required.

ARID 4620 Interior Design Seminar

1-2-2

Prerequisite: ARID 4111. Explores topics and issues related to the profession of interior design. Discussion, research, written and verbal presentations required. Emphasis on collaborative learning.

ART: ART STUDIO

ART 1020 Two Dimensional Design

0-6-3

A two-dimensional foundation design course in which the formal elements of art, principles of design, and color theory are introduced.

ART 1010 Drawing I

0-6-3

An introductory drawing course in which the concepts of composition, figure/ground, line, value, contour, gesture, linear and aerial perspective are studied using a variety of drawing

techniques and media.

ART 1030 Three Dimensional Design

0-6-3

A three-dimensional foundation design course in which the formal elements of design are introduced along with the methods and safety procedures associated with the use of power equipment. All students must pass examination on power tool usage and safety before access to power tools and shop.

ART 1011 Drawing II

0-6-3

Prerequisite: ART 1010 A continuation of Drawing I. Further development of drawing techniques and methods for a personal and experimental approach. Abstract imagery, non-representational, and representational imagery will be explored.

ART 2030 Computers In Art

0-6-3

Prerequisite: ART 1020 An introductory course to develop basic skills in computer applications for the visual arts including: design, page layout, word processing, illustration, web access, web design, historical and critical methods, and information management.

ART 3023 Drawing III

0-6-3

Prerequisite: ART 1011 Interpreting the human figure through the use of a variety of media and techniques.

ART 3041 Painting I

0-6-3

Prerequisite: ART 1011 or permission of the Department Head. An introduction to oil and acrylic painting techniques.

ART 3051 Printmaking I

0-6-3

Prerequisite: ART 1020 and ARTH 1120. An introduction to basic printmaking processes and techniques including historical background and significance.

ART 3061 Ceramics I

0-6-3

Prerequisite: ART 1030 or permission of the Department Head. A beginning level course including coil and slab construction, wheel throwing techniques, glazing processes, and kiln firing methods.

ART 3071 Photography I

0-6-3

An introductory course with emphasis on the technical and aesthetic foundations of black and white photography including camera functions, darkroom processing procedures, and presentation of work. A 35mm camera with manual controls is required.

ART 3081 Sculpture I**0-6-3**

Prerequisite: ART 1030 or permission of Department Head. An introduction to additive, subtractive, replacement, and modeling sculpture techniques and methods. Attention will be given to three dimensional studies of human anatomy.

ART 3091 Graphic Design I**0-6-3**

Prerequisite: ARTH 1120 and ART 2030. Introduction to aesthetic and technical problem solving. Emphasis is placed on contemporary commercial art production techniques.

ART 3092 Graphic Design II**0-6-3**

Prerequisite: ART 3091. A continuation of Graphic Design I with emphasis on typography, package design, and preparation of portfolio comprehensives.

ART 3101 Jewelrymaking I**0-6-3**

Prerequisites: ART 1030. Introduction to the design and production of jewelry and small metals, emphasis is placed on techniques employing casting and fabrication processes. Students must pass a safety test on the use of equipment and materials.

ART 3111 Watercolor I**0-6-3**

Prerequisite: Art Major or permission of the Department Head. The introduction to the technical aspects of aqueous media painting featuring transparent and opaque approaches.

ART 4024 Drawing IV**0-6-3**

Prerequisite: ART 3023 or permission of the Department Head. An advanced course in drawing with emphasis on personal stylistic development. May be repeated for credit.

ART 4042 Painting II**0-6-3**

Prerequisite: ART 3041. An advanced course in painting using a variety of media and techniques. The emphasis is on the development of personal style. May be repeated for up to 9 hours of credit.

ART 4052 Printmaking II**0-6-3**

Prerequisite: ART 3051. An advanced course which gives the student an opportunity for further expressive development and experimentation with a variety of printmaking processes. May be repeated for up to 9 hours of credit.

ART 4062 Ceramics II**0-6-3**

Prerequisites: ART 3061 or permission of the Department Head. An advanced course including sculptural construction methods and

functional approaches. May be repeated for up to 9 hours of credit.

ART 4072 Photography II**0-6-3**

Prerequisite: ART 3071. An advanced course in black and white photography with emphasis on image manipulation and experimental processes. A 35mm camera with manual controls is required. May be repeated for up to 9 hours of credit.

ART 4082 Sculpture II**0-6-3**

Prerequisite: ART 3081 or permission of Department Head. Intermediate work in additive, subtractive, replacement, and modeling sculpture techniques and methods.

ART 4083 Sculpture III**0-6-3**

Prerequisite: ART 4082. The continuation of ART 4082L with further experimentation with sculptural forms and techniques. May be repeated for up to 9 hours of credit.

ART 4093 Graphic Design III**0-6-3**

Prerequisite: ART 3092. An advanced course in graphic design with emphasis on illustration and preparation of portfolio comprehensives.

ART 4094 Graphic Design IV**0-6-3**

Prerequisite: ART 4093 or permission of Department Head. An advanced computer graphics course. The student will concentrate on web page design and three dimensional modeling. May be repeated for credit.

ART 4095 Graphic Design V**0-6-3**

Prerequisite: ART 4094 or permission of Department Head. An advanced computer graphics course which concentrates on the creation of computer animation. May be repeated for credit.

ART 4102 Jewelrymaking II**0-6-3**

Prerequisite: ART 3101. Advanced techniques and further exploration of jewelry and small metals design. May be repeated for up to 9 hours of credit.

ART 4112 Watercolor II**0-6-3**

Prerequisite: ART 3111 or permission of the Department Head. Advanced aqueous media techniques and methods for the development of a personal expressive and/or communicative style. May be repeated for up to 9 hours of credit.

ART 4140 Technical Problems in Art**0-2-1 to 0-6-3**

Prerequisite: Junior or senior level standing in art. Designed for the advanced student

capable of independent study for the purpose of solving studio problems and conducting creative research. Purchase of materials may be required. May be repeated for up to 9 hours of credit.

ART 4150 Directed Study in Art

0-2-1 to 0-6-3

Prerequisite: Approval of the supervising faculty member and Department Head. Students are provided the opportunity to explore individual problems in art. Purchase of art materials may be required. May be repeated for up to 9 hours of credit.

ART 4180 Workshop in Art

0-2-1 to 0-6-3

Selected topics presented in an intensive workshop setting. Purchase of art materials may be required. May be repeated for up to 9 hours of credit.

ART: OTHER ART COURSES

ART 4160 Internship in Art

0-6-3

Prerequisite: Art Major and permission of the department head. Supervised work experience through cooperatively planned practical job related to the student's degree. May be repeated for credit.

ART 4170 Professional Preparation

3-0-3

Prerequisite: ART 2030. A capstone course for the production of a professional quality portfolio, preparation of works for exhibition, learning gallery procedures, planning for and participation in the senior exhibition.

AS: AEROSPACE STUDIES

AS 1000 Leadership Laboratory

0-1.5-0

The AS 1000 Leadership Laboratory (LLAB) for 1000- and 2000-level students' courses includes a study of Air Force customs and courtesies, drill ceremonies, military commands, and Air Force opportunities. LLAB for 3000- and 4000-level students provides advanced leadership experiences that involve planning, organizing and executing cadet training activities, as well as preparing and presenting briefings and other oral and written communications.

AS 1001 Foundations of the U.S. Air Force I

1-0-1

Co-requisite: AS 1000. A survey course de-

signed to introduce students to the United States Air Force and Air Force Reserve Officer Training Corps.

AS 1002 Foundations of the U.S. Air Force II

1-0-1

Co-requisite: AS 1000. A survey course designed to continue the student's to the United States Air Force and Air Force Reserve Officer Training Corps.

AS 2001 The Evolution of the U.S. Air and Space Power Force I

1-0-1

Co-requisite: AS 1000. Examines general aspects of the air and space power from a historical perspective. The course covers a time period from the first balloons and dirigibles to the Korean War.

AS 2002 The Evolution of the U.S. Air and Space Power Force II

1-0-1

Co-requisite: AS 1000. Examines general aspects of the air and space power from a historical perspective. The course covers a time period from the Vietnam War to the global positioning systems of the Persian Gulf War.

AS 3001 Leadership Studies I

3-0-3

Co-requisite: AS 1000. A study of leadership, management fundamentals, professional knowledge, Air Force personnel and evaluations systems, leadership ethics, and communication skills required of an Air Force junior officer.

AS 3002 Leadership Studies II

3-0-3

Co-requisite: AS 1000. Continues the study of leadership, management fundamentals, professional knowledge, Air Force personnel and evaluations systems, leadership ethics, and communication skills required of an Air Force junior officer.

AS 4001 National Security

3-0-3

Co-requisite: AS 1000. Examines the national security process, regional studies, advanced leadership ethics, and Air Force doctrine.

AS 4002 Preparation for Active Duty

3-0-3

Co-requisite: AS 1000. The final step in preparing an officer candidate for active duty. This course examines the military as a profession, officership, military justice, and civilian control of the military.

ASTRONOMY

ASTR 1000 Introduction to the Universe

3-0-3

Students may not receive academic credit for ASTR 1000 if they receive academic credit for ASTR 1010K or ASTR 1020K. A survey of the universe, examining the historical origins of astronomy; the motions and physical properties of the Sun, Moon, and planets; the formation, evolution, and death of stars; and the structure of galaxies and the expansion of the Universe.

ASTR 1010K Astronomy of the Solar System
3-2, 5-4

Astronomy from early ideas of the cosmos to modern observational techniques. The solar system planets, satellites, and minor bodies. The origin and evolution of the solar system. Three lectures and one night laboratory session per week.

ASTR 1020K Stellar and Galactic Astronomy
3-2.5-4

The study of the Sun and stars, their physical properties and evolution, interstellar

matter, star clusters, our Galaxy and other galaxies, the origin and evolution of the Universe. Three lectures and one night laboratory session per week.

ASTR 2010 Tools of Astronomy
0-2-1

An introduction to observational techniques for the beginning astronomy major. Completion of this course will enable the student to use the campus observatory without direct supervision. The student will be given instruction in the use of the observatory and its associated equipment. Includes laboratory safety, research methods, exploration of resources (library and Internet), and an outline of the discipline.

ASTR 2020 The Planetarium
0-2-1

Prerequisites: ASTR 1000, ASTR 1010K, ASTR 1020K, or permission of instructor. Instruction in the operation of the campus planetarium and delivery of planetarium programs. Completion of this course will qualify the student to prepare and give planetarium programs to visiting groups.

ASTR 3101-3102 Principles of Astronomy I, II
3-2.5-4 each

Corequisite for ASTR 3101: PHYS 2211. **Prerequisite for ASTR 3102:** ASTR 3101. A calculus-based course covering astronomical observations, analysis of celestial motions, and a study of the solar system in 3101, and covering the physics of the Sun and stars, stellar evolution, galactic structure and the universe in 3102.

ASTR 3220 Cosmology
3-0-3

Prerequisite: ASTR 1020 and PHIL 2010 or

consent of the instructor. Also offered as PHIL 3220. A scientific and philosophical study of our perception of the universe, including the world views of Ptolemy, Copernicus, and Einstein.

ASTR 4100 Observational Techniques
2-2-3

Prerequisite: ASTR 3101. Aspects of instrumental and observational astronomy including the optics of the telescope, spectroscopy, photography, photometry, electronics, CCDs, astrometrical problems, the operation of the observatory, and mathematical methods of data reduction.

ASTR 4400 Physics of the Solar System
3-0-3

Prerequisite: ASTR 3101. Celestial mechanics; physical features of the Sun, planets, moons, and other material in the solar system.

ASTR 4410 Astrophysics
3-0-3

Prerequisites: PHYS 4401 and ASTR 3101. Radiative transfer in the stellar atmosphere, the interior structure of stars, stellar evolution, physical processes in gaseous nebulae, cosmology.

ASTR 4800 Internship in Astronomy
0-6-3 to 0-12-6

Active participation in research in astronomy, or in some field of science closely allied with astronomy, or work with a planetarium or museum which involves planetarium operations and programs. A daily log of activities, a report on the work done, and a research paper relating the work done to the field of astronomy are required.

ASTR 4900 Special Topics in Astronomy
1-0-1 to 4-4-6

Prerequisite: ASTR 3101, consent of advisor and instructor. Topics to be assigned by instructor; may be taken more than once if topics are different; up to a total of 6 credit hours.

ASTR 4950 Directed Study in Astronomy
1-0-1 to 4-4-6

Prerequisites: ASTR 3101, consent of advisor, instructor, and department head. Study in area or subject not normally found in established courses offered by the department; may also allow students to explore in more detail and/or depth an area or subject covered by the department in astronomy; up to a maximum of 6 credit hours.

BIOLOGY

BIOL 1010 Introduction to Biology: The Evolution and Diversity of Life

3-0-3

Co-requisite: BIOL 1020L. An introduction

to the diversity of life on Earth with a special emphasis on ecological and evolutionary processes and relationships.

BIOL 1020L Biodiversity Lab
0-2-1

Co-requisite: BIOL 1010. A laboratory course to accompany Biology 1010 emphasizing the diversity of life.

BIOL 1030 Introduction to Biology: Organismal Biology
3-0-3

Co-requisite: BIOL 1040L. An introduction to modern biology for the non-major with special emphasis on the processes involved in the development and maintenance of complex multicellular organisms.

BIOL 1040L Organismal Biology Lab
0-2-1

Co-requisite: BIOL 1030. A laboratory course to accompany Biology 1030 emphasizing the structure of multicellular organisms.

BIOL 1050 Human Biology
3-0-3

An introduction to the processes underlying the interactions of humans and the natural world. The topics to be covered include: physiological processes and their relationship to diseases; human genetics and biotechnology; the evolutionary basis of human structure and behavior, and the impact of humans on natural communities.

BIOL 1060 Introduction to Marine Biology
3-0-3

A non-technical study of marine and estuarine habitats emphasizing habitat types and biological community diversity. Topics of study will include, but are not limited to: organismal adaptations to a marine environment, bio-diversity and taxonomy of major groups of marine organisms, ecosystem types and characteristics and oceanic scale processes. Some voluntary overnight, weekend field trips with emphasis on collecting coastal fauna and study of Georgia coastal habitats.

BIOL 1070 Microbes and Humans
3-0-3

The study of microbes and humans with an emphasis upon infectious diseases and the role of microbes in food production, bioengineering, and industrial processes.

BIOL 1080 Conservation Biology
3-0-3

Basic biology underlying current issues in the conservation of rare species, native ecosystems, and biological diversity in general. Exploration of the nature and geographic distribution of biodiversity and threats to it, discussed in the context of ecological and population-genetic principles as well as socio-economic and political realities. Theory and case studies of different modes of

preserving biodiversity (zoos and gardens vs. natural preserves) will be presented. The U.S. Endangered Species Act and Wilderness Preservation Act and C.I.T.E.S., among others, will be critically evaluated as models for government involvement in conservation. Prescriptions for sustainable development that does not further erode biodiversity will be discussed in light of current knowledge of genetics, population dynamics, and community and landscape ecology.

BIOL 1090 Genetics and Human Affairs
3-0-3

Genetics and its human implications, past, present and future. A review of the basic patterns of inheritance using human traits. Emphasis will be given to calculation of recurrence risks by pedigree analysis, the human chromosome aberrations, the molecular aspects of inborn errors of metabolism, the human genome project, recombinant DNA technology and its application to gene therapy. Extensive use of computer technology and auto-tutorials will be made in the course.

BIOL 1951H Honors Biology: Cellular Processes
3-2-4

An introduction to the fundamental principles of cell and molecular biology. Prokaryotic and eukaryotic development will focus on the relationship of structure and function. Cellular solutions to fundamental problems such as cell recognition, energy acquisition and conversion, genetic transmission, and cellular reproduction will be discussed. Taught in an enriched, discussion, and project-oriented classroom environment.

BIOL 1952H Honors Biology: The Evolution and Diversity of Life
3-2-4

Introduction to modern biology with an emphasis on the diversity of life on Earth and a close examination of ecological and evolutionary processes and relationships. Taught in an enriched, discussion and project-oriented classroom environment.

BIOL 2010 Introductory Biology for Majors
3-3-4

Introduction to biology for biology majors. Emphasis on basic concepts providing a foundation for advanced courses in biology. Concepts covered include the scientific method and experimental design, cellular structure and function, metabolism, reproduction, the nature of the gene and its action, and the mechanisms of evolution.

BIOL 2230 General Botany
3-3-4

Prerequisite: BIOL 1010/1020L and 1030/1040L, or BIOL 2010, or the consent of the instructor. Survey of the plant kingdom with greatest emphasis on structure and function of angiosperms.

BIOL 2270 General Zoology

3-3-4

Prerequisite: BIOL 1010/1020L and 1030/1040L, or BIOL 2010, or the consent of the instructor. Survey of the animal kingdom.

BIOL 2651 Human Anatomy and Physiology I

3-2-4

Introduction to human anatomy and general physiological principles with emphasis on the following: cell and tissue organization, plus skeletal, muscular, nervous, and endocrine systems.

BIOL 2652 Human Anatomy and Physiology II

3-2-4

Prerequisite: BIOL 2651. A continuation of human anatomy and general physiological principles with emphasis on the following: cardiovascular, lymphatic, respiratory, digestive, excretory, and reproductive systems, plus development.

BIOL 2900 Microbiology in Health and Disease

3-3-4

Prerequisite: CHEM 1152K. An introductory microbiology course with emphasis upon the role played by microorganisms in health and disease. Open to students who plan to enter the health or allied health fields without a major in biology. Two 1.5 hour laboratory periods per week.

BIOL 3000 Biostatistics

2-4-4

Prerequisite: MATH 1113, BIOL 2230 and BIOL 2270. An introduction to univariate and multivariate analysis of data. Laboratory work will allow students to collect data typical of the diverse disciplines in biology and subject those data to appropriate biometrical analyses, using a calculator or computer. Students will be required to keep a detailed lab notebook of the statistical methods studied and also complete a term project and a scientific report. Two 2-hour laboratory periods per week.

BIOL 3100 Microbiology

3-3-4

Prerequisite: BIOL 2010 and CHEM 1212K. **Recommended:** CHEM 3402. Survey of microbiology covering eubacteria, archaeobacteria, protozoa, fungi, algae, and viruses. Includes fundamental techniques, microbial physiology and genetics, biotechnology, medical applications, and applied microbiology. Two 1.5 hour laboratory periods per week.

BIOL 3200 Genetics

3-3-4

Prerequisite: MATH 1113, BIOL 2230, BIOL 2270. A survey of modern genetics including: Mendelian and molecular genetics, as well as selected topics in population and quantitative genetics and genetic engineering. Labora-

tory will emphasize genetic analysis using live *Drosophila* and computer simulated crosses, chi-square analysis of progeny data, and application of these principles to laboratory analysis of genetic variation at the DNA level.

BIOL 3300 Ecology

3-3-4

Prerequisite: BIOL 2230, BIOL 2270, CHEM 1212K with a grade of "C" or better. **Corequisite:** BIOL 3200 or consent of instructor. Basic ecological principles including behavior of individuals, populations, and communities in the context of their physical and biotic environments. Reviews population genetics and basic evolution; emphasizes scientific method, including the role of theory, hypothesis testing, statistical analysis and scientific writing. Observation and data collection mostly in the field within a variety of local ecosystems. One weekend field trip required.

BIOL 3400 Plant Physiology

3-3-4

Prerequisite: BIOL 2230, CHEM 1211K. An introduction to basic principles of plant function including physical processes occurring in plants, water relations in whole plants and plant tissues, cell physiology and biochemistry, and growth and development.

BIOL 3450 Vertebrate Physiology

3-3-4

Prerequisite: BIOL 2270, CHEM 1212K or permission of Instructor. Study of general physiological processes of vertebrates; emphasis at organ and organ system levels.

BIOL 3500 Mycology

3-3-4

Prerequisite: BIOL 2230, **Recommended:** BIOL 3100. Biology of fungi with emphasis on morphology, taxonomy, physiology, and ecology, includes the roles of fungi as both beneficial organisms and as causal agents in plant and animal diseases.

BIOL 3550 Phycology

3-4-4

Prerequisite: BIOL 2230. An introduction to the study of the algae, including taxonomy, phylogeny, physiology, and ecology. Laboratories will focus on the examination of live material, and will include methods for the isolation and culture of algae.

BIOL 3600 Local Flora

3-3-4

Prerequisite: BIOL 2230. A field-oriented study emphasizing identification, distribution, and ecology of locally occurring seed-bearing plants. Two or three weekend field trips are routinely scheduled.

BIOL 3650 Taxonomy of Seed Plants

3-3-4

Prerequisite: BIOL 2230. A survey of the principles of plant taxonomy that includes identification, nomenclature, evolution, and classification of seed-bearing plants. A systematic survey of plant families will be used with emphasis on local representatives.

BIOL 3800 Invertebrate Zoology

3-3-4

Prerequisite: BIOL 2270. A study of the morphology, phylogeny, and ecology of invertebrates.

BIOL 3840 Entomology

3-3-4

Prerequisite: BIOL 2270. Introduction to the study of insect biology including ecology, behavior, and taxonomy. Laboratory includes field observation, sampling and identification of local fauna.

BIOL 3870 Parasitology

3-3-4

Prerequisite: BIOL 2270. A study of the morphology, life cycles, and host-parasite relationships of representative protozoan and metazoan parasites. Human parasites are emphasized.

BIOL 3900 Ichthyology

3-3-4

Prerequisite: BIOL 2270. A study of the taxonomy, distribution, ecology, behavior and evolution of freshwater and marine fishes. One or two overnight field trips on weekends will be scheduled, with emphasis placed on the collection and preservation of specimens and the identification of habitats occupied by various species. Other field trips scheduled during normal laboratory periods.

BIOL 3920 Herpetology

3-3-4

Prerequisite: BIOL 2270. Introduction to the study of amphibians and reptiles, including anatomy, physiology, ecology, behavior, and classification coordinated with field study of local species.

BIOL 3950 Ornithology

3-3-4

Prerequisite: BIOL 2270. Lectures on morphology, evolution, ecology, behavior, and distribution of birds of the world. Lab emphasizes gross anatomy and identification of local species by sight and sound; mostly in the field. Five-day field trip to south Florida required; other Saturday trips offered.

BIOL 3980 Mammalogy

3-3-4

Prerequisite: BIOL 2270. Lectures emphasize morphology, evolution, ecology, zoogeography and classification of mammals of the world. Lab emphasizes gross anatomy and identification of mammal specimens, especially those found in

North America. Four-day field trip to Blue Ridge Mountains (NC) required; Manatee dive (FL) offered.

BIOL 4000 Topics in Biology I

3-0-3

Prerequisite: BIOL 2230, BIOL 2270 or equivalent. Selected topics in the biological sciences. May be repeated if the topic is different. This course does not include a laboratory

BIOL 4010 Topics in Biology II

3-3-4

Prerequisite: BIOL 2230, BIOL 2270 or equivalent. Selected topics in the biological sciences. May be repeated if the topic is different. This course includes a laboratory.

BIOL 4100 Morphology of Land Plants

3-3-4

Prerequisite: BIOL 2230. Study of vegetative organization and reproductive cycles of bryophytes, pteridophytes and seed plants, which incorporates phylogenetic and ecological relationships.

BIOL 4200 Plant Anatomy

3-3-4

Prerequisite: BIOL 2230. Origin and development of tissues and organs of vascular plants. The laboratory stresses microtechnique including preparation of plant tissues in paraffin and plastic resins, sectioning, staining for specific components of plant tissues, and use of different optical methods.

BIOL 4300 Comparative Vertebrate Anatomy

3-3-4

Prerequisite: BIOL 2270 or approval of instructor. Anatomical and phylogenetic survey of representative vertebrate animals.

BIOL 4350 Vertebrate Embryology

3-3-4

Prerequisite: BIOL 2270. A study of the fertilization process and embryology of selected vertebrates with the greatest emphasis placed on chick development.

BIOL 4400 Vertebrate Histology

3-4-4

Prerequisite: 8 semester hours of senior college biology courses. Study of vertebrate histology with emphasis on the four primary tissues (epithelium, connective, muscle, and nerve). Laboratory work consists primarily of detailed microscopic study and drawings of tissues from prepared slides. Two 2-hour laboratory periods per week.

BIOL 4500 Cell Biology

3-3-4

Prerequisite: CHEM 3601L. The organization and function of cellular structures in animal, plant, and microbial systems. Emphasis on the molecular basis of metabolism, transport, mobility, nerve conduction, and the cell cycle.

BIOL 4510 Virology

3-0-3

Prerequisites: BIOL 3100 or consent of instructor. An introduction to viruses and other non-cellular infectious agents. Topics include the structure and composition of these agents, their replication, effects on their host, and host responses. Methods for studying these agents, their origins and evolution, and their uses in biotechnology will also be discussed.

BIOL 4550 Immunology

3-3-4

Prerequisite: BIOL 3100. Basic concepts of immunology, including antigen and antibody structure, the generation of diversity, the nature of T cell and B cell receptors, cellular cooperation, and the down regulation of immune responses.

BIOL 4580 Molecular Genetics

3-3-4

Prerequisite: BIOL 3200. The study of the molecular nature of eukaryotic genomes, with emphasis on biotechnology. The lecture will focus on using modern molecular genetic techniques as a means to understanding complex eukaryotic genomes. Emphasis will be placed on reading current, relevant scientific literature. The laboratory will involve hands-on experience in which the student will learn the latest technology of molecular genetic analysis and manipulation.

BIOL 4600 Evolution

3-0-3

Prerequisite: BIOL 3200. Study of the theoretical aspects and the patterns and processes of micro-and-macro evolutionary change.

BIOL 4650 Animal Behavior

3-3-4

Prerequisite: BIOL 2270. Introduction to the major concepts of causation, development, evolution, and ecology of animal behavior, emphasizing the behavior of social animals.

BIOL 4700 Limnology

3-3-4

Prerequisite: BIOL 3300. A study of the physical, chemical, and biological aspects of fresh waters.

BIOL 4830 Laboratory Practicum I

0-3-1

Prerequisite: 12 hours of upper division biology and a GPA of 3.0. Individualized instruction and practice in assisting with the operation of biology laboratory exercises in classes that have one laboratory period per week. The student is assigned to one class section for one semester and is expected to assist with all class laboratories. The practicum is directed by the instructor of the class to which the student is assigned.

Credits may not be used as biology electives. (Grade Satisfactory/Unsatisfactory).

BIOL 4840 Laboratory Practicum II

0-6-2

Prerequisite: 12 hours of upper division biology and a GPA of 3.0. Individualized instruction and practice in assisting with the operation of biology laboratory exercises in classes that have two or more laboratory periods per week. The student is assigned to one class section for one semester and is expected to assist with all class laboratories. The practicum is directed by the instructor of the class to which the student is assigned. Credits may not be used as biology electives. (Grade Satisfactory/Unsatisfactory).

BIOL 4850 Biology Internship

0-12-4

Open to students who qualify for internship programs in the biological sciences. Credit hours granted are agreed on cooperatively by the Biology Department and the internship supervisor, dependent on the nature of the program and academic work experience. Approval forms must be completed before registration. Grade (Satisfactory/Unsatisfactory) is assigned after submission of written report detailing the work done along with conclusion and evaluation. Only hours of internship credit may be applied toward graduation requirements. Credits may not be used as biology electives.

BIOL 4900 Senior Seminar

0-1-1

Pre- or Corequisite: Completion of all required courses in the senior curriculum for the biology major. Grade: Satisfactory (S) or Unsatisfactory (U). The capstone course in Biology. This course assesses students' ability to research independently topics in biology, assimilate the information, and disseminate the information in an organized and understandable fashion in both written and oral forms. Besides demonstrating comprehension of their topic and competence in communication skills, students take the ETS Major Field Test in biology and complete the departmental Senior Exit Questionnaire for successful course completion.

BIOL 4950 Directed Study

0-12-4

Prerequisite: completion of all required upper-division biology courses with distinctly superior academic records and the consent of the instructor. Limited to selected students with approval of instructor and Department Head. A specific problem to include supervised investigation and a report in format of biological journals.

BUSA: BUSINESS ADMINISTRATION

BUSA 2000 Introduction to Business Administration

1-0-1

Course is available to declared business (BA) majors only. An introduction to business administration. Topics include the environment, culture, and operation of business organizations; careers available in business; individual differences and their effects on career development; business communication technologies including electronic mail and internet; and assessment of individual and organizational outcomes. Satisfactory or Unsatisfactory completion will result in a grade of **S** or **U** respectively.

BUSA 2100 Applied Business Statistics

3-0-3

Prerequisite: MATH 1111 or equivalent. Applications of basic statistical concepts to business environments. Topics include data analysis, measures of central tendency and spread, probability applications, applications of selected distributions, regression, confidence intervals, and hypothesis testing. Business examples and applications are the foundation of instruction. Statistical software is used to analyze results.

BUSA 2106 The Environment of Business

3-0-3

Ethical, social, political, legal, and regulatory issues in the business environment. Topics focus on the conflicting rights and duties of individuals, organizations, and other factions in a domestic and global society that lead to the development of ethical awareness, social responsibility, and law.

BUSA 3110 Business Law

3-0-3

Prerequisite: BUSA 2106. An overview of the laws surrounding business transactions in the areas of contracts, sales, commercial paper, and secured transactions. Additional topics include agency, sole proprietorship, partnership, corporate law, consumer transactions, securities regulation, and property law.

BUSA 3200 Practicum in Free Enterprise

3-0-3

Required for Students In Free Enterprise (SIFE) certification but open to all majors. Supervised practical application of the principles of entrepreneurship and free enterprise. This course is designed to enhance team building, leadership, and communication skills by creating, organizing, and executing projects in the local and regional communities. This course provides opportunities for networking with community and business leaders.

BUSA 4900 Business Policy

3-0-3

Prerequisites: BUSA 2106, MKTG 3050, MGNT 3250, and FIN 3350. Capstone course required of business administration majors. Uses strategic management concepts to integrate functions of business. Emphasis on analysis of business situations, diagnosis of business problems and opportunities, and application of functional and strategic concepts to increase organization effectiveness.

BVED: BUSINESS AND VOCATIONAL EDUCATION

BVED 1100 Introduction to Business

3-0-3

An overview of business principles and practices. Emphasis on developing an awareness of banking, marketing, finance, insurance, and organizational design. Will include ethical and human relations issues. Open to all majors.

BVED 2000 Beginning Keyboarding

3-0-3

Development of basic touch keyboarding skills. Introduction to formatting letters, research papers, and tables. Exemption test available.

BVED 2050 Communications for the Workplace

3-0-3

Prerequisite: ENGL 1102. Principles of effective oral and written communications. A thorough review of grammar, sentence and paragraph construction, punctuation, and writing techniques. Emphasis on the job-getting process.

BVED 2400 Computer Technology for the Workplace

3-0-3

Introductory, hands-on computer applications for development of workplace skills. Topics include word processing, databases, spreadsheets, communication, and presentation software. Exemption test available.

BVED 3000 Intermediate Keyboarding

3-0-3

Prerequisite: Grade of "C" or better in BVED 2000 or exemption. Continued emphasis on speed and accuracy building. Detailed coverage of business letters, memos, multiple-page reports, and miscellaneous documents. Exemption test available.

BVED 3100 Computer Systems

3-0-3

A general overview of computer hardware and networks. Emphasis is placed on developing basic technological expertise and leadership in administering computer technology in the workplace.

BVED 3400 Applied Computer Technology

3-0-3

Prerequisite: BVED 2400 or consent of instructor. Development of intermediate and advanced skills in the use of word processing, spreadsheets, databases, communications, and presentation software. Emphasis placed on creation of computer projects appropriate to the student's major.

BVED 3600 Electronic Authoring and Multimedia

2-0-2

Fundamental knowledge and skills necessary for the design and production of computer-based multimedia presentations and materials.

BVED 3700 Desktop Publishing

2-0-2

Prerequisite: BVED 2400 or consent of instructor. Development of desktop publishing concepts and their application to the modern office. Basic, intermediate, and advanced features of a page design program will be used to create various business-related documents.

BVED 4000 Production Keyboarding

3-0-3

Prerequisites: Grade of "C" or better in both BVED 3000. Development of high production standards in document processing. Completion of advanced office simulation modules using current word processing software as a basis for reaching acceptable office standards.

BVED 4050 Office Management

3-0-3

Fundamentals of organizational behavior and management applied to the administration of the modern office. Topics include techniques of supervision, personnel problems, office productivity, ethics, and current legislation. Use of the case method in solving problems encountered in the office.

BVED 4070 Office Applications

2-0-2

Focus on two major aspects of office administration—business mathematics and records management. Hands-on experience with the electronic calculator used to perform common business mathematics problems. Experience with a records management simulation.

BVED 4100 Advanced Computer Technology

3-0-3

Prerequisite: BVED 3400 or consent of the instructor. Development of advanced skills in word processing, spreadsheets, databases, communications, and presentation software. Emphasis placed on customizing software applications to make the computerized workplace more productive.

BVED 4160 Administrative Office

Procedures

3-0-3

Prerequisites: BVED 3000 and Senior Standing. Increase awareness of the role and scope of the administrative assistant position. Discuss basic and expanded job responsibilities, professionalism, and perform simulated activities.

BVED 4300 Practicum in Business/ Vocational Education

0-0-3

Prerequisite: Senior Standing and major in appropriate specialization; permission of the advisor must be obtained before registration.

BVED 4310 Practicum in Business/ Vocational Education

0-0-3

Prerequisite: Senior Standing and major in appropriate specialization; permission of the advisor must be obtained before registration.

BVED 4320 Practicum in Business/ Vocational Education

0-0-3

Prerequisite: Senior Standing and major in appropriate specialization; permission of the advisor must be obtained before registration.

BVED 4400 Methods and Media for Teaching Accounting and Basic Business Subjects

3-0-3

Prerequisite: Senior Standing and completion of ACCT 2101, BUSA 2106, ECON 1500. Methods, materials, and evaluative procedures for teaching effectively in accounting and in the basic business subjects. Field experiences required.

BVED 4500 Methods and Media for Teaching Business Skill Subjects

3-0-3

Prerequisite: Senior Standing and completion of BVED 4400 with a grade of "C" or better. Methods, materials, and evaluative procedures for teaching effectively in keyboarding, information processing, office education, and cooperative business education. Field experiences required.

BVED 4600 Directed Study in Business/ Vocational Education

1-0-1 to 3-0-3

Prerequisite: Consent of the department head. An opportunity for intensive individual study on an approved topic.

**BVED 4790 Student Teaching in Business /
Vocational Education**

0-0-10

Prerequisite: Completion of all coursework.
Corequisite: BVED 4800.

BVED 4800 Professional Practices Seminar
2-0-2

Prerequisite: Completion of all coursework.
Corequisite: BVED 4790. Reflection on educational practices and refinement of concepts emanating from student teaching experience.

CHEM: CHEMISTRY

CHEM 1010 Chemistry for World Citizens
3-2-4

A chemistry course with a focus on real-world societal issues. Students will develop critical thinking skills and an appreciation for the theoretical and practical aspects of chemistry while learning the fundamentals of chemistry. Chemical knowledge will be developed on a need-to-know basis in decision making activities. The course is designed for non-science majors seeking a laboratory science course.

CHEM 1151K Survey of Chemistry I
3-2-4

A study of the fundamental principles of chemistry emphasizing modern atomic theory, the structure and behavior of atoms, the properties and states of matter, energy relations, periodicity and mole concepts. Laboratory experiments supplement the study of the listed topics.

CHEM 1152K Survey of Chemistry II
3-2-4

Prerequisite: CHEM 1151K with a grade of **C or better**. A study of the properties, preparation, and reactions of organic compounds in light of modern theories of molecular structure. An overview of the chemistry of living systems including the structure of biological molecules, metabolism, and molecular genetics. Laboratory experiments supplement the study of the listed topics.

CHEM 1211K Principles of Chemistry I
3-3-4

Prerequisite or Corequisite: MATH 1111 or 1113. An introduction to a quantitative study of the physical and chemical behavior of matter in its several phases and a consideration of modern theories of bonding forces at the molecular level. Chemical nomenclature, the gaseous state, properties of solutions and reaction kinetics are discussed.

CHEM 1212K Principles of Chemistry II
3-3-4

Prerequisites: MATH 1111 or 1113 and CHEM 1211K with a grade of **C or better**. A continuation of the quantitative study of the physical and chemical behavior of matter in its several phases and a consideration of modern theories of bonding forces at the molecular level. Chemical equilibrium, oxidation-reduction and acid-base chemistry, electrochemistry, chemical thermodynamics and the descriptive chemistry of selected elements and their compounds are discussed.

CHEM 2210 Sophomore Seminar
1-0-1

Discussion of and reports on current topics in chemistry and on topics related to the chemist as a professional. Demonstrated comprehension of topic, knowledge of pertinent literature and competence in communication skills, both oral and written, will be considered in assigning a course grade. Required of majors. One meeting per week.

CHEM 2310 Quantitative Analysis
3-3-4

Prerequisite: CHEM 1212K with a grade of **C or better**. A study of techniques of quantitative analysis, involving volumetric, gravimetric, and instrumental methods. Theory underlying the experimental techniques, methods of recording and statistically evaluating data and calculations utilizing the data are considered. The methods discussed are applied in the laboratory to determine certain constituents in several samples.

CHEM 2320 Introduction to Environmental Monitoring **1-6-3**

Prerequisite: CHEM 1211K An introduction to spectroscopic, chromatographic, thermal, gravimetric, and electrochemical determinations in various chemical systems of environmental significance. Environmental cycles and environmental degradation will be discussed in the lecture and the methods used to monitor chemical and physical characteristics will be implemented in laboratory sessions.

CHEM 3401 Organic Chemistry I
3-4-4

Prerequisite: CHEM 1212K with a grade of **C or better**. A study of the structure, properties, preparation and reactions of organic compounds in light of modern theories of molecular structure and reaction mechanisms.

CHEM 3402 Organic Chemistry II
3-4-4

Prerequisite: CHEM 3401 with a grade of **C or better**. Continuation of CHEM 3401 with emphasis on spectroscopy, organic synthesis, and reaction mechanisms.

CHEM 3601 Biochemistry I

3-0-3

Prerequisites: CHEM 3401 and CHEM 3402 with a grade of C or better and an introductory biology course. Principles of the structure and function of biological molecules including carbohydrates, lipids, proteins, membranes, enzymes and nucleic acids. An overview of the major metabolic and biosynthetic pathways is also presented.

CHEM 3601L Laboratory Techniques in

Biochemistry

1-3-2

Corequisite or prerequisite: CHEM 3601. Experiments to illustrate the principles and research techniques in biochemistry and molecular biology.

CHEM 3602 Biochemistry II

3-0-3

Prerequisite: CHEM 3601 with a grade of C or better. A continuation of CHEM 3601. Comprehensive discussion of regulatory, metabolic and biosynthetic pathways, advanced enzyme kinetics, regulation of gene expression and recombinant DNA technology.

CHEM 3801 Physical Chemistry I

3-3-4

Prerequisites: CHEM 3402, MATH 2262, and PHYS 2212K with a grade of C or better. A theoretical and mathematical treatment of the fundamental theories and laws of chemistry with an emphasis on thermodynamics. Experimental investigations will supplement the study of phase diagrams, solution calorimetry, bomb calorimetry, thermodynamic modeling and additional solid, liquid, and gas phase energy transfer studies.

CHEM 3802 Physical Chemistry II

3-3-4

Prerequisite: CHEM 3801. A theoretical and mathematical treatment of the fundamental theories and laws of chemistry with an emphasis on quantum mechanics, kinetics, and statistical mechanics. Experimental investigations will supplement the study of quantum mechanics, kinetics, and statistical mechanics as applied to systems of interest to chemists.

CHEM 4310 Instrumental Analysis

2-6-4

Prerequisites: CHEM 2310, CHEM 3802. A study of the advantages and the limitations of the use of instruments for the solution of problems in chemical analysis. The physical and chemical processes, instrumentation, and data analysis techniques as applied to mass spectrometry, optical spectroscopy, nuclear magnetic resonance spectroscopy, separations science, electrochemistry, radiochemical analysis, surface

analysis, and thermal analysis will be discussed in lecture and utilized in laboratory.

CHEM 4420 Physical Organic Chemistry

3-0-3

Prerequisites: CHEM 3402 and CHEM 3802. A study of the methods used to elucidate organic reaction mechanisms. Topics covered include: reaction kinetics, isotope effects; linear free energy relationships; general acid and base catalysis and the acidity functions; reactive intermediates including free radicals, carbenes, carbanions, and carbocations; symmetry controlled reactions; photochemistry.

CHEM 4510 Advanced Inorganic Chemistry

3-3-4

Prerequisites: CHEM 3801, CHEM 3802 with a grade of C or better. An advanced course concentrating on specific aspects of inorganic chemistry including discussions of atomic and molecular structure, chemical bonding, isomerism, coordination compounds and descriptive chemistry of selected elements. Three lectures and one three-hour laboratory per week.

CHEM 4810 Computational Chemistry

1-3-2

Prerequisites: CHEM 3802 with a grade of C or better. Computational and modeling software will be introduced through projects involving systems in physical chemistry and spectroscopy as well as organic chemistry, inorganic chemistry, and biochemistry. Computational predictions will be correlated with laboratory experimental results, either from literature sources or from laboratory work done by the student.

CHEM 4910 Laboratory Problems

0-4-1 to 0-12-3

Prerequisite: Consent of the instructor and approval of the Department Head. Experimental work in analytical, inorganic, organic, physical or biochemistry. The student should have completed at least one semester of a background course in the appropriate area in order for the research to be of an advanced nature at the undergraduate level. Although it is not possible to predict the exact time required for a research project, a student should expect to spend at least four hours per week for each credit hour awarded in this course. A report, in a format suitable for presentation to a chemical journal, shall be presented before credit is awarded.

CHEM 4920 Special Topics

1-0-1 to 3-0-3

Prerequisite: Consent of the instructor and approval of the Department Head. Topics and credit to be assigned. May be taken more than once if topics are different.

CIED: CURRICULUM AND INSTRUCTION

CIED 1000 Essential Study Skills

2-0-2

Institutional credit, for Freshmen only. The application of reading and study strategies to academic courses and personal learning styles. Required of all second semester Freshmen Education majors placed on academic probation.

CISM: COMPUTER INFORMATION SYSTEMS MANAGEMENT

CISM 2201 Fundamentals of Computer Applications 3-0-3

The fundamentals of how microcomputers and local area networks are used in business. Topics include both hardware and software, with an emphasis on application software. Packages include word-processing, presentation software, internet, spreadsheets, and electronic mail.

CISM 3450 Management Information Systems 3-0-3

Prerequisites: CISM 2201 and MGNT 3250. Information processing, meaning and role of information systems, information systems procedures, business functions of computers, introduction to systems analysis and design, files and databases, office automation, data communication, behavioral and organizational implications, selection of hardware and software.

COMD: COMMUNICATION DISORDERS

COMD 3010 Introduction to Communication Disorders

3-0-3

Prerequisites: Admission to Teacher Education and Communication Disorders Program. An introduction to communication disorders. Terminology, etiology and management procedures required in the practice of Speech-Language Pathology are emphasized. Public school observation/participation is required.

COMD 3020 Introduction to Audiology

3-0-3

An introduction to basic auditory tests and related psychophysical procedures. Emphasis is placed on audiometric measurement and interpretation.

COMD 3030 Anatomy & Physiology of the Hearing Mechanism

2-0-2

The study of the anatomy and physiology of the hearing mechanism.

COMD 3040 Applied Phonetics

3-0-3

Co-requisite: COMD 3050. Principles of phonetics and their application to typical speech production. Emphasis is placed on skill development in the use of the International Phonetic Alphabet (IPA) and diacritic markers.

COMD 3050 Phonetics Lab

0-2-1

Co-requisite: COMD 3040. A supervised laboratory application of IPA transcription skills.

COMD 3060 Anatomy & Physiology of the Speech Mechanism

3-0-3

Prerequisite: COMD 3010. The study of anatomy and physiology of the head, neck and trunk relevant to speech production.

COMD 3070 Normal Language Acquisition

3-0-3

An initial study of language acquisition focusing on the sequence and process of typical development in children. Topics include theories of language development, acquisition sequence of the major components of language, variables affecting language acquisition, and clinical application. Open to non-majors.

COMD 3080 Introduction to Neurology in Communication Disorders

3-0-3

Prerequisites: COMD 3010. **Co-requisite:** COMD 3060. An introduction to the anatomy and physiology of the nervous system as it relates to speech and language functions.

COMD 3090 Professional Practices in Communication Disorders

2-0-2

Prerequisites: COMD 3010, COMD 3040, COMD 3050. An introduction to the process, practices, roles, responsibilities and working site opportunities for the Speech-Language Pathologist.

COMD 4010 Manual Communication

3-0-3

An introduction to manual communication. Emphasis is placed on skill development in the use of American Sign Language. Open as an elective to all undergraduate majors.

COMD 4020 Speech Science

3-0-3

Prerequisites: COMD 3030, COMD 3060, COMD 3080. **Co-requisite:** COMD 4030. An introduction to the normal processes of communication; the intensification and prolongation

of sound, the psychoacoustics of speech sound production and perception; and theories of normal speech production and perception.

COMD 4030 Speech Science Laboratory
0-2-1

Co-requisite: COMD 4020. A laboratory application of the research and scientific tools commonly used in speech science.

COMD 4040 Introduction to Articulation Disorders

3-0-3

Prerequisites: COMD 3040, COMD 3050, COMD 3070. Co-requisite: COMD 4050, SPEC 4020. An introduction to the normal process of speech acquisition and development; theories of speech acquisition and types of disorders of articulation and phonology. Emphasis is placed on the diagnosis and treatment of children with articulation and phonological disorders.

COMD 4050 Observation

0-4-2

Prerequisites: COMD 3040, COMD 3070. Corequisite: SPEC 4020. Supervised video-based observation of speech and language diagnosis and therapy with children and adults with speech/language disorders. Students obtain a minimum of 25 hours of direct observation for ASHA requirements.

COMD 4060 Introduction to Oro-Facial/Laryngeal Disorders

3-0-3

Prerequisites: COMD 4020. An overview of two common areas of organic disorders of oral communication. Introduction to the communication parameters of oro-facial disorders with special emphasis on cleft lip and palate and communication aspects of voice disorders.

COMD 4070 Introduction to Fluency Disorders

3-0-3

Prerequisite: COMD 4040. Provides basic information on the characteristics and nature of stuttering and causal theories.

COMD 4080 Introduction to and Analysis of Language Disorders

3-0-3

Prerequisites: COMD 3070, COMD 4040. An initial study of the identification of varying types of language disorders. Emphasis is placed on language sampling procedures and analysis.

COMD 4090 Speech & Language for the Hearing Impaired

3-0-3

Prerequisites: COMD 3020, COMD 3030, COMD 3070. Application of speech and language therapy principles to the management of hearing impaired children (infants through school age).

COMD 4100 Seminar in Central Auditory Disorders

1-0-1

Prerequisites: COMD 3020, COMD 3030, COMD 3080. Special attention will be given to the contribution of the auditory component in disorders of attention and academic learning. The focus is on learning factors of school age children.

COMD 4110 Diagnostics in Communication Disorders

3-0-3

Prerequisites: COMD 3010, COMD 3040, COMD 3050, and COMD 4040. An in-depth study of the evaluation and assessment processes for communication disorders. Content encompasses appraisal planning, interviewing, ecological observation, instrumentation, informal and standardized procedures appropriate for determination of eligibility and program planning

COMD 4150 Directed study

0-0-1 to 0-0-3

Prerequisites: At least Junior standing; permission of advisor, instructor, and Department Head. A maximum of 3 hours per semester, not exceeding a total of 9 semester hours within the program. Study in area or subject not normally found in established courses offered by the department; may also allow students to explore in more detail and/or depth an area or subject covered by the department in communication disorders.

COMM: COMMUNICATION ARTS

COMM 1100 Human Communication

3-0-3

A broad approach to oral communication skills including intrapersonal, interpersonal, small group, and public speaking.

COMM 1110 Public Speaking

3-0-3

The organization of materials and the vocal and physical aspects of delivery in various speaking situations.

COMM 2060 Business and Professional Speech

3-0-3

Dyadic, small group, and public communication in situations found in business and professional settings.

COMM 2100 Introduction to Communication Theory

3-0-3

General survey of communication theories to familiarize students with basis constructs in interpersonal, intercultural, organizational, and public communication; to demonstrate the value

of theory; and to orient students to the Speech Communication major.

COMM 2500 Fundamentals of Intercultural Communication

3-0-3

A study of how culture shapes language and the impact of language differences on communication between persons with different cultural backgrounds.

COMM 3010 Oral Interpretation

2-0-2

An introduction to the fundamentals of performance-based activities in oral interpretation emphasizing group, choral, and solo readings. Open as an elective to all undergraduate majors.

COMM 3060 Persuasion

3-0-3

Prerequisites: COMM 1110 and COMM 2100. Theories of persuasion.

COMM 3071 Argumentation and Debate

3-0-3

Prerequisite: COMM 1110. Theory and application of argumentation.

COMM 3072 Debate Lab

0-4-2

Pre- or Co-requisite: COMM 3071. Research and practice on current national debate topics. May be repeated.

COMM 3090 Public Speaking Lab

0-2-1

Prerequisite: COMM 1110. Research and practice in individual presentations.

COMM 3200 Contemporary Public Relations

3-0-3

Prerequisites: COMM 1110 and COMM 2100. The first course in public relations, dealing with concepts of communicating with various publics.

COMM 3210 Public Relations Applications

1-4-3

Prerequisite: COMM 2100 and BVED 2400 or CS 1000. An introduction to computer applications in the practice of public relations including page layout and creating web pages.

COMM 3220 Public Relations Writing

3-0-3

Prerequisite: COMM 3200. The study of writing techniques and formats for public relations applications, including radio and television public service announcements, video news releases, speech writing, media kit preparation, and print media news releases.

COMM 3230 Public Relations Practicum

0-2-1

Prerequisites: COMM 3200 and COMM 3210. Skill building in Public Relations techniques. May be repeated.

COMM 3300 Interpersonal Communication

3-0-3

Prerequisite: COMM 1110 and COMM 2100. The study of communication skills in interpersonal relationships.

COMM 3310 Listening

2-0-2

Prerequisites: COMM 3300. Study of and skill development in different types of listening.

COMM 3320 Nonverbal Communication

3-0-3

Prerequisites: COMM 3300. Study of types and functions of nonverbal communication.

COMM 3330 Interviewing

2-0-2

Prerequisites: COMM 3300. Study of and skill development in interviewing.

COMM 3400 Organizational Communication

3-0-3

Prerequisite: COMM 1110 and COMM 2100. Communication structures and processes in organizations.

COMM 3410 Conflict Management and Leadership

3-0-3

Prerequisite: COMM 3300. Strategies of managing conflicts in organizations and the role of leadership style in negotiations.

COMM 3500 Fundamentals of Cross-cultural Communication

3-0-3

Causes of cross-cultural communication conflicts and strategies for improvement.

COMM 3600 Directed Study in Communication Arts

1-0-1 to 3-0-3

Individual instruction for enrichment of advanced majors in their areas of specialization.

COMM 4110 Contemporary Communication Theory

3-0-3

Prerequisites: COMM 3300 or 3071. Communication theory with an emphasis on social bases and social variables.

COMM 4120 Classical Theories of Communication

3-0-3

Prerequisite: COMM 3300. Survey of communication theory from classical time to Edwin Black.

COMM 4130 The Psychology and Semiotics of Communication

3-0-3

Prerequisite: COMM 2100. Origin and purpose of speech, basic psychological principles and language, and the use of propaganda.

COMM 4170 Theories of Public Communication

3-0-3

Prerequisite: COMM 2100. Study of rhetorical theory with an emphasis on significant speakers and speeches in the United States. In-

cludes the social origins of the speeches, the nature of the issues discussed, and the consequences of the speaker's activities.

COMM 4200 Public Relations Techniques
3-0-3

Prerequisites: COMM 3200 and COMM 3220. The theory and practice of public relations.

COMM 4220 Communication and the Consumer
3-0-3

Prerequisites: COMM 3200. Theory and practice of consumer-directed communication.

COMM 4230 PR Plans and Campaigns
3-0-3

Prerequisites: COMM 4200. The development of public relations plans for organizations and campaigns for special programs within those organizations.

COMM 4240 Advanced Public Relations Practices
3-0-3

Prerequisites: COMM 3220, COMM 3210, and JOUR 3510 and Senior standing. Legal and ethical aspects of professional public relations practice.

COMM 4310 Small Group Communication
3-0-3

Prerequisite: COMM 1100 and COMM 2100. The theory and practice of small group communication.

COMM 4340 Advanced Interpersonal Communication
3-0-3

Prerequisite: COMM 3300. The science and art of communication in close relationships.

COMM 4400 Organizational Presentation
3-0-3

Prerequisite: COMM 1110 and presentation software competency. The study of advanced preparation and presentation techniques in organizations. This course will focus on the practice and understanding of professional presentations using advanced visual aids, the delivery of research reports, and the formulation of extended speeches.

COMM 4410 Communication Research Methods
3-0-3

Prerequisite: COMM 3400. The study of research methods used to investigate communication. This course will focus on the implementation, analysis, and interpretation of measures used to examine communication phenomena within organizations including communication audits, network analysis, and content analysis.

COMM 4420 Advanced Organizational Communication
3-0-3

Prerequisites: COMM 3400, COMM 3300,

and COMM 4410. Communication processes and characteristics in formal organizations. Alternative theoretical perspectives and research methods to analyze communication in organizational settings.

COMM 4600 Special Topics in Speech Communication

1-0-1 to 3-0-3

The study of specific genres of public communication, e.g. black rhetoric, social protest, political campaign communication, pulpit speaking, public relations communication, etc. May be repeated for credit if different topics are discussed.

COMM 4610 Portfolio and Resume Presentation

1-0-1

Prerequisite: senior standing. Assembly and presentation of a portfolio and resume acceptable for professional use in the student's area of emphasis.

COMM 4670 Internship

3-0-3 to 9-0-9

Prerequisite: Senior standing and major in appropriate specialization. The placement of students in apprentice and intern positions in professional environments to enlarge the student's professionalism. Satisfactory or unsatisfactory grade.

COMM 4700 Film as Public Discourse

3-0-3

History of film and its place in the public sphere, its role in public persuasion, and the study of film theorists.

COOP: COOPERATIVE EDUCATION

COOP 1101 Introduction to Cooperative Education

2-0-2

Students will learn how to set personal and career goals, develop effective resumes and cover letters, and to develop effective interviewing skills. Students will be encouraged to put these skills to use by obtaining Co-op, internship, and/or summer employment. Emphasis will also be placed on development of measurable performance objectives to be used in the Co-op work placement. COOP 1101 is a prerequisite to participation in the Cooperative Education Program.

COOP 1102 Evaluation of Co-op Work Experience

1-0-1

Prerequisite: COOP 1101 or demonstration of required competencies. Students will enroll in this course during their first semester of Co-op employment. Emphasis will include understanding the legal and ethical requirements

of career employment, understanding and internalizing workplace requirements, creation and achievement of measurable performance objectives, and understanding the relationship between academic studies and workplace performance.

COOP 3300 Full-Time Co-op Work Experience 0-0-0

Prerequisite: COOP 1101 or permission of instructor. Students are placed in full-time Co-op work experiences related to their academic majors and/or career goals. These work experiences must be approved by the students' Co-op Faculty Coordinators. Students and their employers submit written evaluations based on performance objectives. Grading is on an S/U basis.

COOP 3310 Parallel Co-op Work Experience 0-0-0

Prerequisite: COOP 1101 or permission of instructor. Students are placed in parallel Co-op work experiences must be approved by the students' Co-op Faculty Coordinators. Students and their employers submit written evaluations based on performance objectives. Grading is on an S/U basis.

COOP 4990 Applied Research Project in Co-op Work Experience 3-0-3

Prerequisites: Senior standing and successful completion of at least 2 semesters of COOP 3300 or at least 4 semesters of COOP 3310. The student, in consultation with the Co-op Faculty Coordinator and the student's Co-op employer, will undertake a major research project directly related to the student's Co-op employment position and major. The student must submit a project prospectus for approval in advance of enrolling in this course. The completed project will be presented in written form to the Co-op Faculty Coordinator and orally to students or faculty in their major area.

CRJU: CRIMINAL JUSTICE

CRJU 1100 Introduction to Criminal Justice 3-0-3

An introduction to the structure, functions, and operations of criminal justice agencies, including the police, the courts, and corrections.

CRJU 2100 Survey of Law Enforcement 3-0-3

Prerequisite: CRJU 1000 or permission of the instructor. An overview of law enforcement in a free society and the relationship of police to the criminal justice system as a whole. History, organization, administration, operations, and se-

lected issues such as community policing are examined.

CRJU 2200 Corrections 3-0-3

Prerequisite: CRJU 1000 or permission of the instructor. A study of the history, structure, and functions of corrections, and the legal and philosophical basis for the punishment of criminal offenders. Study will include the role of corrections as one of the three major components of the criminal justice system.

CRJU 2300 Judicial Process 3-0-3

Prerequisite: CRJU 1000 or permission of the instructor. A study of the jurisdiction, policies, and procedures of courts in the administration of criminal justice.

CRJU 3300 Criminal Law 3-0-3

Prerequisite: CRJU 1000. A study of the source and development of criminal law, its application, interpretation, and enforcement, and an analysis of Supreme Court decisions to emphasize problems in due process.

CRJU 3310 Criminal Procedure 3-0-3

Prerequisite: CRJU 1000. A study of the nature and function of the law with relation to the criminal process and policies and procedures in the administration of criminal justice. Special attention will be given to United States Supreme Court decisions that govern criminal procedures.

CRJU 3401 Criminal Justice Data Analysis 3-0-3

Prerequisite: CRJU 1000 or permission of the instructor. An introduction to criminal justice data analysis including the logic of science, operationalization, sampling, coding, data entry, data file management, and microcomputer processing of research information. Will be taught in an electronic classroom, as facility availability permits.

CRJU 3402 Criminal Justice Research Methods 3-0-3

Prerequisite: CRJU 1000 or CRJU 3401 or permission of instructor. An introduction to criminal justice research methodologies with an emphasis on firsthand data collection. Project work introduces students to issues in research design, ethical concerns, conceptualization, sampling, data analysis, interpretation of research results, report writing, and application of research findings. Students will use computer applications in the development of their projects.

CRJU 3600 Criminology 3-0-3

Prerequisite: CRJU 1000. A study of the nature and scope of crime and delinquency in

society with an emphasis on criminological theories. Study will include the application of theory as a foundation for conducting research.

CRJU 3700 Ethics in Criminal Justice
3-0-3

Prerequisite: CRJU 1000. Standards of conduct in law enforcement, the court system, and corrections. An examination of traditional and non-traditional criminal justice practices such as fidelity to office, discretion, covert operations, deadly force, affirmative action, political involvement, sentencing, incarceration, and the death penalty.

CRJU 4010 Comparative Justice Systems
3-0-3

Prerequisite: Area F Criminal Justice courses or permission of the instructor. A study and comparison of the world's major justice systems.

CRJU 4100 Seminar in Law Enforcement
3-0-3

Prerequisite: CRJU 1000 and CRJU 2100 or permission of the instructor. An in-depth study of policies and procedures which govern law enforcement and major contemporary problems in law enforcement.

CRJU 4110 Forensic Criminology
3-0-3

Prerequisite: Area F Criminal Justice Courses or permission of the instructor. The scientific investigation of crime with emphasis on the collection, analysis, comparison, and identification of physical evidence.

CRJU 4200 Seminar in Corrections
3-0-3

Prerequisite: CRJU 1000 and CRJU 2200 or permission of the instructor. An in-depth study of laws, policies, and procedures which govern corrections and major contemporary problems and issues in corrections.

CRJU 4500 Classification of Criminal Behavior
3-0-3

Prerequisite: CRJU 1000 or permission of the instructor. A study of the methods of identification and classification of specific criminal behavior types with an emphasis on violent offenders, sexual deviants, the anti-social personality, and the criminally insane.

CRJU 4510 Correctional Therapies
3-0-3

Prerequisite: CRJU 4500 or permission of the instructor. A study of major rehabilitation therapies used by correctional treatment practitioners who work with offenders and their families to help offenders establish socially acceptable and productive lifestyles.

CRJU 4700 Special Topics in Criminal Justice
3-0-3 to 6-0-6

Prerequisite: Area F Criminal Justice Courses or permission of instructor. An intensive study of a topic relevant to criminal justice.

CRJU 4720 Juvenile Justice
3-0-3

Prerequisite: CRJU 1000 or permission of the instructor. An analysis of the juvenile justice system and related processes. Major emphasis will be placed upon the socio-historical development of the Juvenile Justice System, the impact of Supreme Court decision, and the current controversial issues surrounding the Juvenile Justice System.

CRJU 4800 Seminar in Criminal Justice
3-0-3

Prerequisites: CRJU 3300, CRJU 3310, CRJU 3401, CRJU 3402, CRJU 3600, and CRJU 3700. An application and integration of core and related criminal justice courses to contemporary criminal justice issues.

CRJU 4900 Directed Study in Criminal Justice
3-0-3 to 6-0-6

Prerequisite: major in Criminal Justice; permission of the student's advisor, the instructor, and the Criminal Justice coordinator or department head. Grader on a satisfactory / unsatisfactory basis. A study in an area not covered in other criminal justice courses; allows the student to explore in more detail a topic which is normally covered in criminal justice courses. May be taken for a maximum of 6 credit hours.

CRJU 4910 Internship in Criminal Justice
0-18-6 to 0-36-12

Prerequisite: major in Criminal Justice; permission of the student's advisor, internship coordinator, and the coordinator Criminal Justice application: application forms must be submitted prior to midterm of the semester before internship. Grader on a satisfactory / unsatisfactory basis. Supervised, practical experience in an appropriate criminal justice agency; an opportunity for students to demonstrate maturity and judgements to discover the integration between theory and practice.

CRWR: CREATIVE WRITING

CRWR 3400 Introduction to Creative Writing
3-0-3

Also offered as ENGL 3400. Prerequisite: ENGL 2110, 2120, 2130, or 2140. An introduction to the stylistic conventions and techniques of poetry and prose. The course also emphasizes techniques of literary invention and offers a brief exposure to the analysis and critique of peer texts.

CRWR 3420 Introduction to Creative Non-Fiction

3-0-3

Prerequisite: ENGL/CRWR 3400. An introduction to non-fiction writing which employs a variety of literary techniques common in literary journalism and fiction writing. Students will read model texts and further develop workshop and revision techniques in order to produce a carefully revised piece of their own non-fiction.

CRWR 3440 Poetry Writing

3-0-3

Prerequisite: ENGL/CRWR 3400. A study of poetic technique beyond the fundamentals introduced in ENGL/CRWR 3400. The course emphasizes prosody and poetic forms, both prescribed and organic. Students receive further training in workshop techniques via the analysis of poems produced by members of the class.

CRWR 3460 Fiction Writing

3-0-3

Prerequisite: ENGL/CRWR 3400. A craft-oriented course devoted to the genre of the modern short story. Students will study classic stories by writers such as Chekhov, Maupassant, O'Connor, and more recent award-winning writers as well as undertaking exercises in technique and producing at least two stories of their own.

CRWR 4410 Studies in Prosody and Poetic Form

3-0-3

Also offered as ENGL 4410. Prerequisite or corequisite: ENGL 3060. A study of the historical and formal developments of poetry. The course will emphasize twentieth-century American poetry, covering principal schools and understanding their relationships.

CRWR 4420 Studies in Narratology

3-0-3

Also offered as ENGL 4420. Prerequisite or corequisite: ENGL 3060. A study of the international history of narrative forms, storytelling methods, and varieties of representation. Students will study the various conventions and strategies which inform fables, fairy tales, parables, folktales, and the longer works which evolved from them.

CRWR 4440 Advanced Poetry Writing

3-0-3

Prerequisite: CRWR 3440. A workshop-intensive course emphasizing technical analysis of poems produced by members of the class. The course also emphasizes the application of various aesthetic theories, and students will articulate their own poetics.

CRWR 4460 Advanced Fiction Writing

3-0-3

A workshop-intensive course in fiction writing. Students will produce their own work and study

narrative alternatives and storytelling strategies. Students will also read book-length story collections and/or novels and write stylistic analyses of a major contemporary writer.

CS: COMPUTER SCIENCE

CS 1000 Introduction to Microcomputers and Applications

3-0-3

Computing technology and concepts; applications of personal computers. Topics include hardware and software terminology, word processing, spreadsheets, email, the Internet, the microcomputer's operating system and its use, ethics, and current trends in the use of computers. A hands-on laboratory is integrated with the course. *A student may not receive credit for both CS 1000 and CS 1010.*

CS 1010 Algorithmic Problem Solving

3-0-3

An introduction to the computer as a personal productivity tool and typical applications of microcomputers; algorithm design and programming as components of the software life cycle with emphasis on the development of algorithms for solving problems; introduction to the development environment for a particular programming language.

CS 1010 Introduction to Computer Information Systems

3-0-3

The computer as a personal productivity tool and typical applications of microcomputers; introduction to programming as a component of the software life cycle, stressing analysis and execution of existing computer programs as well as the use of an interactive development and debugging environment. Word processing and electronic spreadsheets. The Internet and email. The program-development system for a particular programming language. A hands-on laboratory is integrated with the course. *A student may not receive credit for both CS 1000 and CS 1010.*

CS 1301 Principles of Programming I

4-0-4

Prerequisite: MATH 1101 or 1111. Programming-language syntax and semantics; problem solving; algorithm design and implementation using modern programming paradigms and techniques; data types and elementary data structures. This course involves extensive programming activities.

CS 1302 Principles of Programming II

4-0-4

Prerequisite: CS 1301. A continuation of CS

1301 with emphasis on advanced programming structures and techniques. Theory and applications of stacks, queues, and lists; recursion; file processing; introduction to binary trees. This course involves extensive programming activities.

CS 1335 Elementary COBOL Programming
3-0-3

An introduction to elementary computer programming concepts. Emphasis is on techniques of problem analysis and the development of algorithms and programs. Syntax of the COBOL programming language. The course does not presume previous programming experience.

CS 1338 Elementary FORTRAN Programming
3-0-3

An introduction to elementary computer programming concepts. Emphasis is on techniques of problem analysis and the development of algorithms and programs. Syntax of the FORTRAN programming language. The course does not presume previous programming experience.

CS 2010 Survey of Computer Information Systems
3-0-3

Prerequisite: CS 1010 and CS 1301 with a grade of "C" or better. A general introduction to software engineering, database applications, and networking concepts, as well as an overview of other aspects of computer information systems.

CS 2620 Discrete Structures I
3-0-3

Prerequisite: MATH 2261. Propositional and predicate logic, mathematical induction, and recursion. Sets, relations, functions. Graphs and trees. Boolean algebra and computer logic. Finite state machines and computability.

CS 3101 Computer Organization
3-0-3

Prerequisite: CS 1302. An overview of computer organization and design including Boolean algebra, combinational and sequential circuits, data representation, register transfer and microoperations, CPU organization, microprogrammed control, and machine language programming.

CS 3102 Assembly Language
3-0-3

Prerequisite: CS 3101. A continuation of CS 3101 with emphasis on machine and assembly language instruction and programming techniques, addressing modes, data representations, I/O, and the assembly process.

CS 3300 UNIX and Web Programming
3-0-3

Prerequisite: CS 1302. The class emphasizes tools that are available in the UNIX environment

including: find and grep, sed, and awk, shell programming, HTML, Perl, file security, and Web programming.

CS 3320 Introduction to Visual Basics
3-0-3

Prerequisite: CS 1302. An introduction to the fundamentals of the Visual BASIC programming system, basic concepts and methods of object-oriented programming, application-building techniques, Active X controls, wizards, and report generators.

CS 3330 The Ada Programming Language
3-0-3

Prerequisite: CS 1302. Modern programming concepts and techniques using Ada. Program units: subprograms, packages, tasks; data types, statements, and atomic language features; blocks; generics; standard packages and I/O; exception handling.

CS 3335 The C Programming Language
3-0-3

Prerequisite: CS 1302. Programming using the C programming language. Syntax and semantics of C; information representation; stylistic consideration; the C library. This course also discusses issues relating to the UNIX operating system.

CS 3410 Data Structures
3-0-3

Prerequisite: CS 1302. Trees, graphs, and other forms of data structures and their implementations. Emphasizing abstract data types; static memory allocation vs. dynamic storage allocation; searching, hashing, and sorting methods; algorithm analysis.

CS 3520 Algorithms
3-0-3

Prerequisite: CS 3410. Sequential and parallel algorithms for solving a variety of different problems; paradigms for algorithms; algorithm analysis; NP-complete problems.

CS 4125 Applied Computer Networks
3-0-3

Prerequisite: CS 3410. An in-depth study of computer networks including fundamental concepts, design, hardware components, data transmission within the framework of the OSI reference model, transmission protocols, network architectures, administration and support, problem detection and resolution, and principles of Local Area and Wide Area Networks. The subject matter is presented as a case study of a network operating system.

CS 4122 Data Communications and Networks II
3-0-3

Prerequisite: CS 4121. A continuation of CS 4121 in which advanced topics in data communication and networking are studied

CS 4123 Project in Data Communications and Networks

3-0-3

Prerequisite: CS 4122. Students will work together in teams on a major data communications/networking project. Data communications and networking principles, tools, and techniques are stressed.

CS 4140 Data Communications and Computer Networks

3-0-3

Prerequisite: CS 3410. Basic concepts of data communications and computer networks architectures: including OSI and TCP/IP models, packet switching, local area and high speed networks. Error control, routing, and transmission media.

CS 4321 Software Engineering I

3-0-3

Prerequisite: CS 3410. Early stages of the software-development process, with emphasis upon analysis and specification. Also, life-cycle definition, software project management, the computer as a system component, and object-oriented approaches. CASE tools will be used as appropriate.

CS 4322 Software Engineering II

3-0-3

Prerequisite: CS 4321. The later stages of the software-development process with emphasis upon design, implementation, verification/validation, and maintenance. Also, human factors, object-oriented techniques, reliability, and quality-assurance issues.

CS 4323 Project in Software Engineering

3-0-3

Prerequisite: CS 4322. Students will work together in teams on a major software development project. Software engineering principles, tools, and techniques are stressed.

CS 4330 Theory of Programming Languages

3-0-3

Prerequisite: CS 3410 or consent of instructor. Formal description of programming languages, standard and advanced features of modern programming languages, complexity.

CS 4335 Principles of Compiler Design

3-0-3

Prerequisites: CS 3102 and CS 3410. Introduction to programming language structure, lexical analysis, syntax analysis, code generation, and optimization. A large programming project will be required.

CS 4340 Systems Programming

3-0-3

Prerequisite: CS 3410. Implementation of concepts pertaining to the UNIX environment: process control and interprocess communication,

job control, file and directory structures, and client/server processes.

CS 4350 Applied Operating Systems Concepts

3-0-3

Prerequisite: CS 3410. A thorough study of an exant operating system which includes the hardware interface; system structure; implementation details with particular attention to the specific details of multitasking, file system management, memory management, security, and client/server relationships; system installation and administration are also included.

CS 4500 Foundations of Computer Science

3-0-3

Prerequisites: CS 2620 and CS 3410. Concepts pertaining to regular expressions, finite state machines, regular languages, regular grammars, non regular languages, decidability, context-free grammars, and Turing machines.

CS 4720 Database Design

3-0-3

Prerequisite: CS 3410. The logical organization of databases: the entity-relationship model; the hierarchical model, network, and relational models. Hardware characteristics; file organization and evaluation. Functional dependencies and normal forms. Query optimization, concurrency control, and distributed database systems.

CS 4722 Database Design II

3-0-3

Prerequisite: CS 4721. An in-depth study of advanced database design and implementation concepts including transaction processing, concurrency, control techniques, recovery techniques, distributed databases and client/server architecture, and security and authorization.

CS 4723 Project in Database Design

3-0-3

Prerequisite: CS 4722. Students will work together in teams on a major database development project. Database development principles, tools, and techniques are stressed.

CS 4820 Artificial Intelligence

3-0-3

Prerequisites: CS 2620 and CS 3410. Definition of artificial intelligence, Common Lisp, logic programming, search techniques, knowledge representation including schemas and scripts, ART-enterprise as an expert system, and principles of expert systems.

CS 4825 Neural Networks

3-0-3

Prerequisites: MATH 2150 and MATH 2262. Concepts pertaining to neural networks including: definition of neural intelligence, basic neural computational models, learning: supervised and unsupervised, knowledge bases neural networks, back-propagation neural networks, radial basis neural networks.

CS 4830 Computer Graphics**3-0-3**

Prerequisites: CS 3410 and MATH s2150. A survey of graphics systems and graphics programming. Topics include output primitives, transformations and viewing, modeling, user interfaces, and interactive methods. Both 2-D and 3-D concepts are discussed.

CS 4900 Senior Seminar**3-0-3**

Prerequisites: CS 3101, CS 3410, and senior standing. A capstone experience intended primarily for computing majors that combines societal, ethical, and legal implications and trends of computing with the development of research and communication skills for the profession. Topics include societal effects of computing, ethics in the field, legal issues, professional literature and organizations, current industrial, social, legal, governmental, and technical developments, research methodology, and career opportunities. Involves extensive reading and writing (both technical and non-technical), as well as library research, prepared group discussions, and oral presentations.

CS 4950 Directed Study in Computer Science**Variable**

Prerequisite: Consent of instructor. The student will undertake at least one major computer-science project under the supervision of the instructor. Credit will be assigned on the basis of the effort required by the project. May be taken more than once if topics are different.

CS 4990 Topics in Computer Science**Variable**

Prerequisite: Consent of instructor. Topics to be assigned. May be taken more than once if topics are different.

DANC: DANCE**DANC 1500 Introduction to Dance****3-0-3**

A general survey and appreciation of dance as an art form, an introduction to dance history and a critical evaluation of dance.

DANC 1600 Ballet I**1-2-2**

Basic techniques and theories of classical ballet. Emphasizes body placement, awareness, strength, stretch, and terminology. May be repeated for credit.

DANC 1700 Modern Dance I**1-2-2**

Basic modern dance techniques and theories. May be repeated for credit.

DANC 1900 Tap Dance I**1-2-2**

Basic skills in tap dancing. May be repeated for credit.

DANC 2600 Ballet II**1-2-2**

Prerequisite: DANC 1600 or approval of department head. A continuation of Ballet I (DANC 1600). May be repeated for credit.

DANC 2700 Modern Dance II**1-2-2**

Prerequisite: DANC 1700 or approval of department head. A continuation of Modern I (DANC 2600). May be repeated for credit.

DANC 2800 Jazz Dance I**1-2-2**

Basic jazz dance techniques and theories. May be repeated for credit.

DANC 2900 Tap Dance II**1-2-2**

Prerequisite: DANC 1900. A continuation of Tap Dance I (DANC 1900). May be repeated for credit.

DANC 2910 Social Dance**0-2-1**

Introduction to history, terms, positions and movements. Psychomotor instruction in social dance forms from the turn of the century to the present.

DANC 2920 Dance Improvisation**0-2-1**

An introduction to dance improvisation. Movement studies will be based on modern dance techniques and theories.

DANC 3000 Dance Composition**1-2-2**

Prerequisite: DANC 1600 or DANC 1700, or approval of department head. The study of the tools of dance composition, creating individual and group studies, and solving dance composition problems.

DANC 3100 Choreography**1-2-2**

Prerequisite: DANC 3000 or approval of department head. An application of the fundamentals of dance composition to choreographic projects. Emphasis will also be placed on exploring, analyzing, and experimenting with problems in dance performance and production.

DANC 3200 Dance Ensemble**0-4-1**

Prerequisite: Audition by instructor. A select ensemble emphasizing group and solo performance. May be repeated for credit.

DANC 3300 Special Topics in Dance**0-4-2**

Prerequisite: Approval of department head. Practicum based on the dance and movement requirements of specific stage performances

produced by the University. Students in the course will perform choreographic works or movement studies. May be repeated for credit.

DANC 3400 Rhythmic and Recreational Dance

1-2-2

History and methods of teaching ballroom and square dancing.

DANC 3410 Dance History

3-0-3

A broad survey of dance history with emphasizes on the impact of dance on society from primitive times to the present.

DANC 3500 Teaching Dance Technique

1-2-2

Methodology in teaching dance techniques and theories within the context of modern dance for young adults. Includes instruction in and application of dance lesson planning.

DANC 3600 Ballet III

1-2-2

Prerequisite: DANC 2600 or approval of department head. A continuation of Ballet II with emphasis on developing the refined movements of ballet techniques and theories. May be repeated for credit.

DANC 3700 Modern Dance III

1-2-2

Prerequisite: DANC 2700 or approval of department head. A continuation of Modern Dance II with emphasis on developing advanced skills in modern techniques and theories. May be repeated for credit.

DANC 3800 Jazz Dance II

1-2-2

Prerequisite: DANC 2800 or approval of department head. A continuation of Jazz Dance I. May be repeated for credit.

DANC 4000 Pointe and Variation

1-2-2

Prerequisite: DANC 3600 or approval of department head. The study of pointe technique, the teaching of specific classical ballet variations and partnering skills for both the male and female dancer. May be repeated for credit.

ECED: EARLY CHILDHOOD EDUCATION

ECED 3000 Intergrating and Applying Technology into the ECE Curr

3-0-3

Prerequisite: BVED 2400. **Corequisite:** ECED 3190. Explores the intergration and application of technology into the early childhood curriculum. Achieved through modeling and applying teaching and learning strategies; discussions of technology and pedagogy; strategies of

classroom management; the review and evaluation of technology and software appropriate for use with young children; and the development of intergrated technology learning activities, which include Georgia's QCC Standards.

ECED 3190 Practicum I: Classroom Management & Environmental Design PreK-K

1-3-1

Prerequisite: Admission to Teacher Education. **Corequisites:** ECED 3000, ECED 3400, READ.3200. Supervised classroom experience in selected pre-kindergarten and kindergarten classrooms. Students work under the supervision of mentor teachers and unvestisty supervisors. Emphasis will be on principles of classroom management and the arranged environment.

ECED 3300 Teaching Mathematics and Science to Young Children

3-0-3

Prerequisites: MATH 3161. **Corequisites:** ECED 3690. Recent developments in curriculum and methods of instruction of contemporary school mathematics and science programs in grades P-5. Students will become acquainted with manipulatives, technology, and other resources essential to prospective teachers of young children.

ECED 3400 Planning For Instruction and Classroom Management

3-0-3

Corequisite: ECEd 3190. Fundamentals of teaching across all content area subject matter will be explored including models of teaching, lesson and unit planning, and creating a classroom environment that is conducive to learning.

ECED 3690 Practicum II: Classroom Management & Environmental Design K-3

1-3-1

Prerequisites: ECED 3000, ECED 3400, PSYC 3120, READ 3200. **Co-requisites:** ECED 3300, MATH 3000, SCI 3000. Supervised classroom experience in selected Kindergarten through third grade classrooms. Students work under the supervision of mentor teachers and university supervisors. Emphasis will be on principles of classroom management and the arranged environment. **ECED 4300 Teaching Language Arts in Early Childhood Education 3-0-3** **Prerequisites:** ECED 3000, ECED 3400, READ 3200. **Corequisite:** ECED 4690. The Application of methods for teaching listening, speaking, reading, writing, viewing, and visually representing in early childhood. Emphasis is placed on methods of process writing for the genres of journal, descriptive, letter, biographical, narrative, and poetic writing.

3-0-3

Prerequisites: ECED 3000, ECED 3400, READ 3200. Corequisites: ECED 4690. Recent developments in curriculum and methods of instruction for the teaching of social sciences in grades P-5

ECED 4690 Practicum in Early Childhood Education II
0-3-1

Prerequisites: ECED 3690. Co-requisites: ECED 4300, ECED 4400, READ 4200. Supervised classroom experience in selected third-grade through fifth-grade classrooms. Students work under the supervision of mentor teachers and university supervisors. Emphasis will be on principles of classroom management and the arranged environment.

ECED 4720 Collaboration With Family, School, and Community Agencies to Support the Education of Young Children
2-0-2

Prerequisite: All professional courses must be completed with a grade of C or better and GPA requirement must be met. Corequisite: ECED 4790. Examination of nature, extent, and significance of involving families in the education of young children. Interrelationships of home, school, and community agencies are examined in light of various programs, methods, and techniques of parenting education. Leadership skills emphasized in the areas of training, supporting, and guiding teaching assistants within the context of a developmentally appropriate classroom environment.

ECED 4790 Student Teaching & Reflective Seminar in ECE
1-10-10

Prerequisites: All professional courses must be completed with a grade of C or better and GPA requirement must be met. Corequisite: ECED 4720. Guided professional experience in a primary grade (P-5) as a capstone/culminating activity of the Early Childhood Education Program. Student teachers practice teaching and managing a classroom under the supervision of a full-time master teacher and university supervisor in an off-campus setting. The experience includes observations, participation, teaching, and other activities which make a direct contribution to an achievement of basic concepts, skills, and principles in the teaching-learning process. The seminar is a reflection of educational practices and refinement of concepts emanating from the student teaching experience

ECED 4800 Student Teaching Seminar in Early Childhood Education
2-0-2

Prerequisites: All professional courses must be completed with a grade of C or better and GPA requirement must be met. Co-requisite: ECED 4790. Reflection of educational practices and refinement of concepts emanating from student teaching experience.

ECON: ECONOMICS
ECON 1500 Survey of Economics
3-0-3

A survey of basic economic concepts with applications to public policy issues.

ECON 1900H Honors Economics
3-0-3

Seminar-oriented approach to basic economic concepts with applications to policy issues. A research project on public policy is required.

ECON 2105 Principles of Macroeconomics
3-0-3

An introduction to macroeconomic concepts and their application to aggregate economic activity. Factors influencing rates of economic growth, employment and inflation are emphasized. Measures of aggregate economic activity and policies to control it are covered.

ECON 2106 Principles of Microeconomics
3-0-3

An introduction to microeconomic concepts and their application to the behavior of individuals, firms, and market groups. Special emphasis is placed on market analysis, production and cost concepts, profit analysis, and market structure. Current microeconomic issues, including market failures and the role of government in markets, are covered.

ECON 3100 Managerial Economics
3-0-3

Prerequisites: ECON 2106 and either BUSA 2100 or MATH 2620. Analysis of major decision-making areas within the firm. Students are introduced to demand forecasting techniques, advanced production and cost relationships, and optimal pricing models.

ECON 3300 Economic History of the United States
3-0-3

Prerequisite: ECON 1500 or ECON 2105. Economic interpretation of United States history and study of economic problems in historical perspective.

ECON 3400 Public Finance and Fiscal Policy
3-0-3

Prerequisite: ECON 2106. Comprehensive treatment of economic theory and applications in the field of public finance and fiscal policy.

Includes the study of market failure, the provision of public goods, benefit/cost analysis, public expenditures, and the principles of government finance.

ECON 3500 Business Cycle Analysis

3-0-3

Prerequisites: ECON 2105 and either BUSA 2100 or MATH 2620. Investigation of the application of techniques used by business and government to analyze and forecast business cycle conditions. Special emphasis on regional analysis.

ECON 3600 International Economics

3-0-3

Prerequisite: ECON 2105 and ECON 2106. Survey of the international exchange of goods, services and financial instruments and the policies that affect this exchange. Topics include pattern of trade, effects of trade controls, trade and growth, trade and the distribution of income, balance of payments accounting, exchange rate systems and the effect of trade on employment, prices, and production.

ECON 3640 International Macroeconomics

3-0-3

Prerequisite: ECON 3500 or ECON 3600. Advanced study of the international exchange of financial instruments and the effects of this exchange on employment, prices, production and the balance of trade (payments). International macroeconomic policy is emphasized.

ECON 3650 Multinational Corporate Finance

3-0-3

Prerequisite: FIN 3350 or ECON 3750. Theory and practice of multinational corporate and bank operations. Includes the study of foreign exchange markets, risks associated with foreign exchange transactions, accounting consolidations and foreign operations, and appropriate exchange-risk hedging techniques.

ECON 3710 Regional Economics

3-0-3

Prerequisite: ECON 2106. Analysis of the factors that influence the spatial location of economic activity and regional economic performance (special emphasis on the Southern Region).

ECON 3750 Money and Banking

3-0-3

Prerequisite: ECON 2105. Analysis of financial intermediaries, instruments and markets in determining the level and distribution of economic activity.

ECON 3760 Financial Institution Management

3-0-3

Prerequisites: ECON 3750 or FIN 3350. Principles of financial institution management. Topics include functions and types of financial institutions, regulation of financial institutions,

financial statement and performance analysis for financial institutions, credit and interest rate management, asset and liability management, and non-interest income management.

ECON 3770 Real Estate Economics

3-0-3

Prerequisites: ECON 3750 or FIN 3350. Study of the theories, tools and techniques needed to understand urban real estate markets. Examines real estate markets from both micro and macro perspectives.

ECON 3800 Environmental Economics

3-0-3

Prerequisite: ECON 2106 or consent of instructor. Application of microeconomic principles to environmental and natural resource policy. Topics include economic efficiency and market failure, valuing the environment, pollution control, exhaustible and renewable resource policy, waste and toxic substance disposal, and the effect of industry and agriculture on the environment.

ECON 3810 Health Economics

3-0-3

Prerequisite: ECON 2106 or consent of instructor. Comprehensive introduction to the economics of health and health care. Topics include the market for health care, private insurance and health care providers, social insurance, and health system reform.

ECON 3860 Labor Economics and

Labor Relations

3-0-3

Prerequisite: ECON 2106. Investigation of the workings and outcomes of the labor market. Topics include the determination of wages, wage differentials, the impact of unions, and the process of collective bargaining.

ECON 4800 Current Issues in Economics

3-0-3

Prerequisites: ECON 2105 and ECON 2106. Study of a specific, current topic or topics in the field of economics. May be repeated once for additional credit with prior approval of advisor and instructor if different topics are covered in the subsequent course.

ECON 4900 Economic Research

3-0-3

Prerequisites: ECON 3100, ECON 3500, and senior standing. Study of methods and techniques of economic research. Topics include hypothesis development, modeling, data sources, analytical methods, and presentation techniques. A research paper is required.

ECON 4990 Directed Study in Economics

3-0-3

Prerequisites: ECON 3100 and ECON 3500. Directed research or reading in economics. Proper form must be submitted to the Dean of

the College of Business Administration at least two weeks before the beginning of the semester.

ENGL: ENGLISH

ENGL 0099 See the Learning Skills section on the last page of the course offerings.

ENGL 1101 Composition I

3-0-3

A composition course focusing on skills required for effective writing in a variety of contexts, with emphasis on exposition, analysis, and argumentation, and also including introductory use of a variety of research skills. Students will develop analytical and evaluative skills by reading and writing expository and/or argumentative essays.

ENGL 1101H Honors Composition I

3-0-3

An honors-level composition course focusing on skills required for effective writing in a variety of contexts with emphasis on more advanced forms of critical analysis, exposition, and argumentation/persuasion, and also stressing introductory use of a variety of research skills.

ENGL 1102 Composition II

3-0-3

Prerequisite: ENGL 1101 or ENGL 1101H. A composition course focusing on writing skills beyond the levels of proficiency required by ENGL 1101 that emphasizes interpretation and evaluation and that incorporates a variety of more advanced research skills. Students will learn to organize and present ideas and information effectively in research essays.

ENGL 1102H Honors Composition II

3-0-3

Prerequisite: ENGL 1101 or 1101H. An honors-level composition course, focusing on writing skills beyond the levels of proficiency required by ENGL 1102, that emphasizes advanced rhetorical strategies and argument/persuasion. The course also stresses, via an array of theme-based studies, more varied forms of interpretation and evaluation and incorporates more advanced research skills than those taught in ENGL 1102.

ENGL 2000 Writing for Teachers

3-0-3

Prerequisites: C or better in ENGL 1101 and 1102. A writing-intensive course focusing on the analysis and production of discourse in various genres. Required for ECE and MGE majors.

ENGL 2110 World Literature I:

The Ancient World

3-0-3

Prerequisite: ENGL 1102 or 1102H. A study

of selected works of literature from the beginning of writing to the end of the classical period. This course presents myths, epics, dramas, and prose works from the Hebrew, Greek, Roman, and other traditions that laid the foundation for modern intellectual thought. Selections from such writers as Homer, Sophocles, and Plato and such works as the Bible and the Koran will be presented in their historical and cultural contexts.

ENGL 2110H Honors World Literature I:

The Ancient World

3-0-3

Prerequisite: ENGL 1102 or 1102H. An in-depth study of selected works of literature and their cultural backgrounds from the beginning of writing to the end of the classical period. This course, multicultural and comparative in focus, presents myths, epics, dramas, and prose works from western and non-western traditions that laid the foundation for modern intellectual thought.

ENGL 2120 World Literature II:

The Age of Discovery

3-0-3

Prerequisite: ENGL 1102 or 1102H. A study of selected works of literature and their cultural backgrounds from the fourteenth into the seventeenth century. This course includes introductions to the Medieval and Renaissance frames of mind and puts works such as those by Dante, Chaucer, Machiavelli, Shakespeare, and Milton in the context of modern intellectual issues.

ENGL 2120H Honors World Literature II:

The Age of Discovery

3-0-3

Prerequisite: ENGL 1102 or 1102H. A study of selected works of literature and their cultural backgrounds from the Middle Ages into the seventeenth century. This course includes introductions to the Medieval and Renaissance frames of mind of western Europe as well as adding multicultural aspects. Trends in the development of modern thought are emphasized, with a focus on intellectual history.

ENGL 2130 World Literature III:

The Development of Modern Thought

3-0-3

Prerequisite: ENGL 1102 or 1102H. A study of selected works of literature and their cultural backgrounds from the seventeenth century to the present. This course includes introductions to the Enlightenment, Romantic, Victorian, Modern, and Contemporary periods. Selected works from writers such as Moliere, Pope, Rousseau, Wordsworth, Keats, the Brownings, Eliot, and Faulkner will be presented, emphasizing major trends in the development of modern thought.

ENGL 2130H Honors World Literature III:

The Development of Modern Thought

3-0-3

Prerequisite: ENGL 1102 or 1102H. An in-depth study of selected works of literature and their cultural backgrounds from the seventeenth century to the present. This course includes introductions to the major concepts and themes represented in trans-national and trans-generic literary texts from periods such as the Enlightenment, Romantic, Victorian, Modern, and Contemporary. Special emphasis on multicultural and comparative aspects of the literature and on large, overarching themes and concepts.

ENGL 2140 World Literature IV: The Genres of World Literature

3-0-3

Prerequisite: ENGL 1102 or 1102H. A study of literary forms of cultural expression. This course will cover works written in a broad range of cultures and periods and will include introductions to major genres of world literature such as epic, drama, prose fiction, and film. Selected works by figures such as Homer, Shakespeare, Ibsen, Austen, and Kurosawa will be presented, emphasizing the connections between form, function, and culture.

ENGL 3010 Writing for Business

3-0-3

Prerequisites: ENGL 1102 or 1102H. An advanced writing course focusing on the elements of effective writing, particularly as they apply to business and the professions.

ENGL 3020 Technical Writing

3-0-3

Prerequisite: ENGL 1102 or 1102H. An advanced writing course focusing on the elements of effective writing, particularly as they apply to the sciences, industry, and other technology-oriented fields.

ENGL 3030 Writing for the Legal and Social Science Professions

3-0-3

Prerequisites: ENGL 1102 or 1102H. An advanced writing course focusing on the strategies used to write clear and effective legal and social science communications including memos, case reports, proposals, and briefs.

ENGL 3050 Tutoring English Composition

1-0-1

Prerequisites: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, or 2140. A review of the principles of English composition with focus on the revision of student writing. Includes instruction in the holistic evaluation and careful rhetorical analysis of student writing, discussion of the proper scope and available avenues of revision, and examination of the use of computers in the writing and revision process. Students will have supervised tutoring experience.

ENGL 3060 Literary Research and Writing

3-0-3

Prerequisite: ENGL 2140. An introduction to the methods of research and the role and function of literary criticism in the context of literary studies.

ENGL 3080 Grammar and Editing

3-0-3

Also offered as JOUR 3080. Prerequisite: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, or 2140. An intensive review of grammar and usage as well as an introduction to the purposes, practices, and techniques of editing standard English. The grammar section of the course will cover such topics as parts of speech and their uses, sentence elements and their effective uses, agreement, punctuation, and parallelism. Students will also be taught fundamental approaches to editing and the practical application of editing techniques.

ENGL 3090 Advanced Composition

3-0-3

Prerequisite: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, or 2140. A study of various rhetorical strategies with regular writing assignments emphasizing logical organization of thought and effective composition. The course will develop sound grammatical and compositional skills to a level clearly superior to that of ENGL 1102.

ENGL 3110 British Literature I

3-0-3

Prerequisite: ENGL 2140. A survey of the historical and formal development of British literature through the mid-eighteenth century. Emphasis on major writers and movements as well as on terms relevant to the study of British literature.

ENGL 3120 British Literature II

3-0-3

Prerequisite: ENGL 2140. A survey of the historical and formal development of British and post-Colonial literature from the late eighteenth century to the present. Emphasis on major writers and movements as well as on terms relevant to the study of British literature.

ENGL 3210 American Literature

3-0-3

Prerequisite: ENGL 2140. A survey of the historical and formal development of American literature. Emphasis on major writers and movements as well as on terms relevant to the study of American literature.

ENGL 3220 Studies in African American Literature

3-0-3

Also offered as AFAM 3220. Prerequisite: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, or 2140. A study of selected topics

in African-American literature. May be repeated, but only 3 hours may be counted toward distribution requirements for the English major.

ENGL 3300 Special Studies in Literature
3-0-3

Prerequisite: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, or 2140. Studies of selected topics in literature.

ENGL 3310 Studies in the Bible as Literature
3-0-3

Prerequisite: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, or 2140. A study of the literature of the Bible and the influence of the Bible on British and American literature.

ENGL 3320 Studies in African Literature
3-0-3

Also offered as AFAM 3320. Prerequisite: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, or 2140. A study of selected topics in African literature. May be repeated, but only 3 hours may be counted towards distribution requirements for the English major.

ENGL 3350 Classical Mythology
3-0-3

Prerequisite: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, or 2140. A study of the major mythological traditions of the Classical Greek and Roman cultures. Emphasis is placed on the influence of mythology on English and American literature.

ENGL 3400 Introduction to Creative Writing
3-0-3

Also offered as CRWR 3400. Prerequisites: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, or 2140. An introduction to the stylistic conventions and techniques of poetry and prose. The course also emphasizes techniques of literary invention and offers a brief exposure to the analysis and critique of peer texts.

ENGL 3600 Introduction to Professional Writing
1-0-1

Prerequisite or co-requisite: ENGL 3060 or 3080, depending upon major track. An introduction to careers in professional writing as well as to the required skills, applicable technology, and related professional concerns.

ENGL 4000 English for Teachers of Young Children
3-0-3

Co-requisite: ECED 4000. A writing intensive course for Early Childhood Education majors. Utilizing writing workshops, the course will focus on producing and analyzing discourse in various genres as applied to Early Childhood Education contexts.

ENGL 4110 Studies in British Literature to 1500
3-0-3

Prerequisite or Co-requisite: ENGL 3060.

A study of medieval literature, focusing on major works, figures (three or more), and/or themes.

ENGL 4120 Studies in British Literature
1500-1660
3-0-3

Prerequisite or Co-requisite: ENGL 3060. A study of British literature of the Renaissance period, focusing on major works, figures (three or more), and/or themes.

ENGL 4130 Studies in British Literature
1660-1800
3-0-3

Prerequisite or Co-requisite: ENGL 3060. A study of British literature of the Restoration and eighteenth century, focusing on major works, figures (three or more), and/or themes.

ENGL 4140 Studies in Nineteenth-Century British Literature
3-0-3

Prerequisite or Co-requisite: ENGL 3060. A study of British literature of the nineteenth century, focusing on major works, figures (three or more), and/or themes.

ENGL 4150 Studies in Twentieth-Century British Literature
3-0-3

Prerequisite or Co-requisite: ENGL 3060. A study of British and Post-Colonial literature of the twentieth century, focusing on major works, figures (three or more), and/or themes.

ENGL 4210 Studies in American Literature to 1800
3-0-3

Prerequisite or Co-requisite: ENGL 3060. A study of the literature of America from its beginning to 1800, focusing on major works, figures (three or more), and/or themes.

ENGL 4220 Studies in American Literature 1800-1865
3-0-3

Prerequisite or Co-requisite: ENGL 3060. A study of the literature of America from 1800 to 1865, focusing on major works, figures (three or more), and/or themes.

ENGL 4230 Studies in American Literature 1865-1914
3-0-3

Prerequisite or Co-requisite: ENGL 3060. A study of literature of America from 1865 to 1914, focusing major works, figures (three or more), and/or themes.

ENGL 4240 Studies in American Literature after 1914
3-0-3

Prerequisite or Co-requisite: ENGL 3060. A study of literature of America after 1914, focusing on major works, figures (three or more), and/or themes.

ENGL 4300 Special Topics

3-0-3

Prerequisite or Co-requisite: ENGL 3060.
Studies of literature focusing on selected topics.

ENGL 4310 Studies in Major Writers

3-0-3

Prerequisite or Co-requisite: ENGL 3060.
A study of the interrelationship of the life and works of one or at most two major figures in literature.

ENGL 4320 Studies in Poetry

3-0-3

Prerequisite or Co-requisite: ENGL 3060.
A study of the historical and formal development of poetry.

ENGL 4330 Studies in Prose

3-0-3

Prerequisite or Co-requisite: ENGL 3060.
A study of the historical and formal development of prose (fiction and/or non-fiction).

ENGL 4340 Studies in Drama

3-0-3

Prerequisite or Co-requisite: ENGL 3060.
A study of the historical and formal development of drama.

ENGL 4350 Studies in Criticism / Theory

3-0-3

Prerequisite or Co-requisite: ENGL 3060.
A study of literary theory and criticism since Plato, with special emphasis on contemporary theories.

ENGL 4410 Studies in Prosody and Poetic Form

3-0-3

Also offered as CRWR 4410. Prerequisite or Co-requisite: ENGL 3060. A study of the theoretical and formal development of prosody and poetic form. The course will emphasize twentieth century poetic developments, covering principia schools and understanding their relationships.

ENGL 4420 Studies in Narratology

3-0-3

Also offered as CRWR 4420. Prerequisite or Co-requisite: ENGL 3060. An international study of the history of narrative forms, storytelling methods, and varieties of representation. The course will emphasize the various conventions and strategies which inform fables, folktales, parables, and the longer works which evolved from them.

ENGL 4500 Document Design

3-0-3

Also offered as JOUR 4500. Prerequisite or corequisite: JOUR 3510, ENGL 3060, or ENGL/JOUR 3080, or permission of instructor. A study of theory of layout and design, including editorial decision making, photo editing, and production technology for print and on-line media.

ENGL 4520 Literary Journalism

3-0-3

Also offered as JOUR 4520. Prerequisite or corequisite: JOUR 3510, ENGL 3060, or ENGL/JOUR 3080, or permission of instructor. A study of the theory and practice of applying fiction techniques to journalistic fact. The course will explore the relationship between literature and journalism, especially in terms of style and subject matter.

ENGL 4600 Issues in Professional Writing

3-0-3

Prerequisite or corequisite: ENGL 3060 or 3080, depending upon major program. An advanced writing course examining the application of selected professional writing strategies and principles to contexts in which key rhetorical issues arise. These issues include argument, audience, collaboration, ethics, ethos, purpose, and style.

ENGL 4610 History of the English Language

3-0-3

Prerequisite or corequisite: ENGL 3060 or ENGL 3080. A study of the origins and development of the English language.

ENGL 4620 Survey of the History of Rhetoric

3-0-3

Prerequisite or corequisite: ENGL 3060 or 3080, depending upon major program. A study of rhetorical theory and its major figures from the classical period to the present.

ENGL 4630 Writing Technologies

3-0-3

Prerequisite or corequisite: ENGL 3060 or 3080, depending upon major program. A study of the technologies applicable to professional writing such as desktop publishing, on-line documentation, hypertext, and Internet resources.

ENGL 4700 Directed Study

1-0-1 to 3-0-3

Prerequisite or corequisite: ENGL 3060 or 3080, depending upon major program. Individualized studies in selected areas of language and literature, the amount of credit depending upon the requirements. Permission to enroll must be secured from the instructor.

ENGL 4800 Internship in English

3-0-3 to 12-0-12

Prerequisite or corequisite: ENGL 3060 or 3080, depending upon major program. Supervised work involving writing, for example, in a law office, an agency, a publishing company, or a business, the amount of credit depending upon the requirements. Permission to enroll must be secured from the adviser and the department head.

ENGL 4900 Senior Seminar

3-0-3

Prerequisite or corequisite: senior standing

and ENGL 3060 or 3080, depending upon major program. A capstone course, focused on selected topics and projects appropriate to the students' track, designed to help students synthesize their knowledge and reinforce the skills they have acquired as English majors.

For additional offerings in the Department of English, see Creative Writing (CRWR), Journalism (JOUR), and Linguistics(LING)

ENGR: ENGINEERING

ENGR 1010 Technological Problem Solving

3-0-3

Prerequisite: MATH 1111 or higher. Development of the features and principles of problem solving techniques based on a variety of fundamental models for general application, such as physical component, sketching, graphical, and mathematical models. Emphasis is placed on solving problems of a technological nature.

ENGR 2010 Introduction to Engineering 2-0-2

Interpretation of the scope of engineering; introduction to engineering disciplines which form the basis for a variety of career opportunities; engineering design as creative problem solving; lessons from design failures; introduction to problem solving; professionalism and ethics.

ENGR 2200 Statics

3-0-3

Prerequisite: PHYS 2211; **prerequisite or corequisite:** MATH 2263. Elements of statics in two- and three-dimensions; forces and moments; particles, objects, and structures in equilibrium; centroids; distributed forces and beams; friction.

ENGR 2310 Introduction to Signal Processing

3-3-4

Prerequisites: CS 1010, MATH 2262. Introduction to signal processing for discrete-time and continuous-time signals. Filtering, frequency response, Fourier Transform, Z Transform. Laboratory emphasizes computer-based signal processing.

ENGR 2500 Engineering Graphics for Design

2-2-3

Introduction to engineering design and three-dimensional visualization; geometric construction; graphical projection and sketching; introduction to descriptive geometry; computer graphics.

ENGR 3210 Dynamics

3-0-3

Prerequisite: ENGR 2200. Kinematics and kinetics of particles; kinematics and kinetics of rigid bodies in plane motion; kinematics and kinetics of rigid bodies in three-dimensional motion

ENGR 3220 Mechanics of Deformable Bodies

3-0-3

Prerequisite: ENGR 2200. Definition and analysis of strain and stress, applications to axially loaded elements, torsion of circular shafts and bending of beams, introduction to simple plasticity and column stability.

ENGR 3320 Circuit Analysis

3-0-3

Prerequisites: ENGR 2310, PHYS2212. **Corequisite:** MATH 3340. Introduction to the basic concepts of DC and AC circuit theory and analysis.

FIN: FINANCE

FIN 2380 Personal Finance 3-0-3

A non-technical introduction to personal financing decisions. Emphasis is placed on developing an understanding of budgeting, insurance, taxes, investments, home ownership and family financial planning.

FIN 3350 Financial Management

3-0-3

Prerequisite: ACCT 2102, ECON 2106. **Corequisite:** BUSA 2100. Introduction to the principles of financial management as applied to the firm including financial analysis, acquisition of funds, capital structure, dividend, policy, working capital management, and evaluation of investment projects.

FIN 3360 Advanced Financial Management

3-0-3

Prerequisite: FIN 3350. Continuation of FIN 3350 with a concentration on financial analysis, valuation of assets, risk analysis, cash flow projections, and long-term financing decisions.

FIN 3370 Financial Statement Analysis

3-0-3

Prerequisite: FIN 3350. An introduction to financial statement analysis. This course emphasizes the use of publicly disclosed financial information to enhance economic decision making.

FIN 4310 Problems in Financial Management

3-0-3

Prerequisite: FIN 3360. An advanced study of the principles of financial management through the use of case analysis on topics covering financial analysis and planning, valuation, capital budgeting, working capital management, capital structure management, and financing.

FIN 4520 Investments

3-0-3

Prerequisite: FIN 3350. An introduction to personal investing in financial and non-financial assets including stocks, bonds, and mutual

funds. A discussion of securities markets, how new issues are brought to market, and how existing securities are traded. Includes material on identifying and evaluating the risk of investing.

FIN 4820 Financial Modeling

3-0-3

Prerequisite: FIN 3350. An analysis of current financial models. This course emphasizes the use of current financial software applications in order to assist in making sound financial decisions.

FIN 4900 Current Issues in Finance

3-0-3

Prerequisite: FIN 3360 or FIN 3370. A survey of selected finance topics. The underlying theory and practical implications of these topics to the business world are examined.

FIN 4980 Finance Internship

3-0-3

Prerequisite: Faculty approval. The application of academic finance skills and values in an employment situation. A research project, approved by a faculty member and the employer, is required.

FIN 4990 Directed Study in Finance

3-0-3

Prerequisite: Faculty approval. A special project undertaken by the student. The project is guided by a faculty member and culminates in a research report.

FLED: FOREIGN LANGUAGE EDUCATION

FLED 4500 Curriculum and Methods of Foreign Languages

3-0-3

Prerequisite: Senior standing. **Co-requisite:** FLED 4510. Methods of teaching foreign languages at both the elementary- school and secondary-school levels to students whose first language is English. Review of theories of second language acquisition, instructional strategies and materials, methods of evaluating proficiency and progress, curriculum, and professional organizations and resources.

FLED 4510 Classroom Laboratory

1-0-1

Co-requisite: FLED 4500. Implementation and assessment of appropriate classroom activities and lessons in collaboration with a secondary teacher and university faculty.

FLED 4600 Methods and Materials for Teaching ESOL

3-0-3

Prerequisites: LING 4000 and LING 4160. Methods of teaching English at both the elementary- school and secondary-school levels to

students whose first language is not English. Review of theories of second language acquisition, instructional strategies and materials, methods of evaluating proficiency and progress, curriculum, and professional organizations and resources.

FLED 4780 Internship in Foreign Language Education

6-0-6

Prerequisite: Completion of coursework and consent of department. Supervised teaching experience in foreign language education providing for demonstration of teaching competency. Six hours per semester for a maximum of 2 semesters.

FLED 4790 Student Teaching

0-0-10

Prerequisite: Senior Standing. **Co-requisite:** FLED 4800. The capstone experience providing opportunity for students to implement theory and instructional practices in secondary classrooms; supervised observation, teaching, classroom management and evaluation; acquaintance with the administration of a school and the school program; selection and use of appropriate instructional materials; conferences with supervisors.

FLED 4800 Professional Development Seminar

2-0-2

Prerequisite: Senior Standing. **Co-requisite:** FLED 4790. The capstone experience requiring student teachers to reflect upon their teaching experiences through interactions with peers, secondary education professionals and other educators in their content area. The preparation and presentation of a portfolio reflecting their student teaching experience is required.

FREN: FRENCH

FREN 1001 Beg. French Language and Introduction to Francophone Cultures, I

3-0-3

Emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions. FREN 1001 is not open for credit to students with two or more years of high school French or the equivalent.

FREN 1002 Beg. French Language and Introduction to Francophone Cultures, II

3-0-3

Prerequisite: FREN 1001 or the equivalent.

A continuation of FREN 1001, with emphasis on proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions.

FREN 1111 Intensive French Language and Francophone Cultures

3-0-3

Prerequisite: Two or more years of high school French or the equivalent. Emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions. FREN 1111 is a one-semester combination of FREN 1001 and FREN 1002. This course is designed for those students not fully prepared for the 1002 level. FREN 1111 reviews the concepts presented in FREN 1001 and advances the student through the material of FREN 1002.

FREN 2001 Intermediate French Language and Francophone Cultures, I

3-0-3

Prerequisite: FREN 1002 or the equivalent. Emphasis on the development of proficiency and communicative competence at the intermediate level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness and understanding of various sociocultural aspects and the distinctiveness of certain cultural traditions.

FREN 2002 Intermediate French Language and Francophone Cultures, II

3-0-3

Prerequisite: FREN 2001 or the equivalent. A continuation of FREN 2001, with emphasis on proficiency and communicative competence at the intermediate level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness and understanding of various sociocultural aspects and the distinctiveness of certain cultural traditions.

FREN 3000 French Grammar and Composition

3-0-3

Prerequisite: FREN 2001 and FREN 2002 or MCL departmental approval. A thorough review and expansion of the main grammatical concepts, rules, and applications studied in FREN

1001, 1111 or 1002, 2001, and 2002 courses. A practical application of grammar study through translations (English to French), formal/informal writing and refinement of self-editing skills.

FREN 3301 Conversation and Composition I

3-0-3

Prerequisite: FREN 2002 or consent of instructor. The development of students' proficiency in spoken and written French. Conversations will be based on communicative situations which students would encounter in the French-speaking world. Written activities will enable the student to react to typical exchanges which require written responses.

FREN 3302 Conversation and Composition II

3-0-3

Prerequisite: FREN 3301 or consent of instructor. Continued development of students' skills in spoken and written French. The students will discuss and write topics that include narration, defense of ideas, criticism, hypotheses, literature, etc.

FREN 3400 Introduction to Literature

3-0-3

Prerequisite: FREN 2002 or consent of instructor. The development of students' reading skills and knowledge of the major literary genres. Texts are from contemporary sources and traditional literary selections of prose, poetry, and theater.

FREN 3410 Francophone Literature

3-0-3

Prerequisite or co-requisite: FREN 3301 or consent of instructor. Selected works of twentieth-century Francophone writers from the French-speaking community outside of France, especially the Caribbean, Africa, and Quebec.

FREN 3450 Current Events of French-Speaking World

2-0-2

Prerequisite: FREN 3301 or consent of instructor. A practical study of French TV and radio programs and other authentic media sources.

FREN 3500 French Civilization and Francophone Culture

3-0-3

Prerequisite: FREN 2002 or consent of instructor. French civilization and Francophone culture from the origins to the present, with emphasis on French history and the relationships among language, contemporary life patterns, traditions, and institutions to include the government and education system. Political and economic geography will also be included.

FREN 3610 Women Writers of Seventeenth-Century France

3-0-3

Prerequisite: FREN 3400 or consent of in-

structor. Selected literary works of major women writers of seventeenth-century France.

FREN 3621 Survey of French Literature I
3-0-3

Prerequisite: FREN 3400 or consent of instructor. Selected major literary works, authors, and literary movements of France from the Middle Ages through the eighteenth century.

FREN 3622 Survey of French Literature II
3-0-3

Prerequisite: FREN 3400 or consent of instructor. Selected major literary works, authors, and literary movements of France from the nineteenth century to the present.

FREN 3630 Topics in French Language or Literature

1-0-1

Prerequisite: FREN 3302 and FREN 3400 or consent of instructor. Intensive study to improve the student's ability in a particular area of French language or Francophone literature. This course requires independent work of the student and may be repeated with different topics for a total of 3 hours.

FREN 4400 French Phonetics and Advanced Conversation

3-0-3

Prerequisite: FREN 3302 or consent of instructor. Study of phonetic principles and their applications.

FREN 4410 French Composition and Advanced Grammar

3-0-3

Prerequisite: FREN 3400 or consent of instructor. Advanced study of grammar, practical composition, and refinement of written expression.

FREN 4420 French Translation: English to French
3-0-3

Prerequisite: FREN 4410 or consent of instructor. Translation techniques from English to French, including idiomatic expressions and extensive practice in written French.

FREN 4650 French Literature of the Twentieth Century

3-0-3

Prerequisite: FREN 3622 or consent of instructor. Selected major literary works of France, from 1901 to the present.

FREN 4950 Directed Study
3-0-3

Prerequisite: FREN 4400, FREN 4410, or consent of instructor. Study in an area or topic of Francophone literature or the French language not normally found in established courses offered by the department. The work is done under the supervision of a professor.

FREN 4960 Study Abroad Special Topics
3-0-3

Consult the Department of Modern and Classical Languages regarding arrangements, requirements, and credit. May be repeated for a maximum of 9 hours if topics are different.

FREN 4970 Study Abroad Practicum
1-0-1

Prerequisite: FREN 2002 or consent of the instructor. Orientation to the study abroad experience. Pre-departure sessions will focus on preparing the student to achieve the maximum learning potential from his/her stay in the selected site. Assigned readings and videos and regular discussion with the supervising instructor will familiarize the student with significant cultural practices that may differ from those of U.S. society and with geographical and historical features of the region as well as prepare him/her to function in the daily life of the community. A series of activities will be designed for the student to complete during the study abroad stay, and upon his/her return, the student will make at least three presentations related to the study abroad experience to university French classes, elementary, middle or high school classes, or community organizations. The course is a requirement for all French majors and minors who participate in a study abroad program. Credit for the course is in addition to other credit earned through the study abroad program.

FREN 4980 Community Practicum
1-0-1

Prerequisite: FREN 4400, FREN 4410 or consent of instructor. A practical application of students' skills in French. Students will either tutor students enrolled in public or private schools or complete a research project that requires extensive use of all language skills. This course may be repeated for up to 4 credit hours.

FREN 4990 Senior Seminar
3-0-3

Prerequisite: Senior Standing. An all-inclusive communication skills course. This course focuses on the four basic skills: reading, listening, speaking and writing. It is designed to assess and reinforce the skills the student has acquired as a French major. Required of all French majors.

GENS: GENERAL STUDIES

GENS 4100 General Studies Seminar
3-0-3

Prerequisite: Approval of the General Studies Coordinator. A seminar incorporating selected topics to include primary field of study, ethical

issues and selected topics of interest providing a capstone experience.

GENS 4200 Directed Study in Human Resources
1-0-1 to 3-0-3

Prerequisite: Senior standing and permission of advisor, instructor and General Studies Coordinator. Directed research, readings or project in the field of human resources with regular conferences between instructor and student. An opportunity for mature students with experiential learning to integrate theory and practical applications on a one time basis.

GENS 4900 Internship
0-0-3 to 0-0-15

Prerequisite: Senior standing, advisor and General Studies Coordinator approval. A supervised practical experience to integrate theories and practical applications of the various components of the program. The number of credit hours granted is dependent upon the program, academic work, requirements, and nature of participation.

GEOG: GEOGRAPHY

GEOG 1101 Introduction to Human Geography
3-0-3

A survey of global patterns of resources, population, culture and economic systems. Emphasis is placed upon the factors contributing to these patterns and the distinctions between the technologically advanced and less advanced regions of the world.

GEOG 1102 World Regional Geography
3-0-3

Examination of the interaction among the developed and developing regions of the world. Particular emphasis is placed on the interrelationships of historical, cultural, economic and political elements in critical areas of the world.

GEOG 1103 Geographic Perspectives on Multiculturalism in the U.S.
3-0-3

Geographic factors underlying multiculturalism and ethnic relationships in the U.S. Three inter-related themes are emphasized: the spatial development and organization of culture; population growth, migration, and urbanization; and the spatial dimensions of political, economic, and social processes.

GEOG 1110 Our Hazardous Environment
3-0-3

Also offered as GEOL 1110. Students may not receive academic credit for GEOG/GEOL 1110 if they receive academic credit for GEOG 1113 or GEOL 1121. A detailed examination of physical environmental hazards that influence human health and habitation. Lectures

focus on the causes, processes, and results of naturally occurring and human-induced geologic, hydrologic, and atmospheric events, such as earthquakes, mud slides, floods, hurricanes, soil erosion, and nuclear and toxic waste. Some mathematics is used.

GEOG 1112K Introduction to Weather and Climate
3-2-4

Pre-or corequisite: MATH 1101 or higher. Weather components, processes, and their measurement. Climatic elements and their control factors. Geographic classification of climatic and vegetation types are also discussed.

GEOG 1113K Introduction to Land Forms
3-2-4

Pre-or corequisite: MATH 1101 or higher. Introductory analysis and classification of major types of land surfaces, stressing geographic characteristics. Study and interpretation of relationships between landforms and other phenomena through maps, air photos, and field observations. World coverage with emphasis on North America.

GEOG 2010 Tools of Environmental Geography
0-2-1

An introduction to research techniques for the incoming Environmental Geography major. Includes laboratory safety, research methods, exploration of resources (library and Internet), and an outline of the discipline.

GEOG 3050 Introduction to Computer Cartography & G eographic Information Systems.
2-2-3

Prerequisites: GEOG 1113 or GEOL 1121. An introduction to computer-based map production and spatial processing. Lectures and laboratory exercises cover data gathering, manipulation, analysis, and display, with an emphasis on cartographic principles such as symbolization, generalization, titling and labeling.

GEOG 3051 Introduction to Geographic Information Systems and Remote Sensing
2-2-3

Prerequisites: CS 1000, MATH 2620, GEOG 3010. Survey of GIS hardware and software, spatially referenced database management and querying. The latter part of the course will integrate multispectral satellite imagery into GIS, with an emphasis on data processing and interpretation. Laboratory exercises supplement lecture topics.

GEOG 3052 Advanced Geographic Information Systems
2-2-3

Prerequisite: GEOG 3051. Advanced applications of GIS including: overlay analysis, writing short macros for repetitive operations, spatial

modeling and technical support of complex land use and natural resource management decision making. Laboratory exercises designed to form a cartographic and software portfolio for students.

GEOG 3053 Application Issues in Geographic Information Systems

3-0-3

Prerequisite: GEOG 3052. Operational and planning issues in GIS. Students will learn which issues need to be considered when proposing and implementing a GIS and will have opportunities to evaluate how a GIS can be used to solve specific planning problems.

GEOG 3100 Regional Planning and Environmental Management

3-0-3

Prerequisite: Consent of instructor. Introduction to planning for economic development, service provision and resource management at scales larger than municipalities with an emphasis on the environmental impacts of planning policy and regulation.

GEOG 315 Meteorology and Climatology

3-0-3

Prerequisites: GEOG 1112 and 1113, MATH 1113. A detailed examination of atmospheric motions and climatic controls including the Earth's radiation and energy balance, air mass dynamics, weather systems, and past and present climates of the Earth.

GEOG 3200 History of Life

2-3-3

Also listed as GEOL 3200**Prerequisite:** Sophomore standing and consent of instructor. Principles of paleontology with emphasis on the history of life including vertebrates. Includes an account of the outstanding forms of life from the beginning of earthtime to the present, and those paleontologically significant groups that are uncommon, different, or extinct today.

GEOG 3220 An Introduction to Hydrology

3-2-4

Also listed as GEOL 3220**Prerequisites:** GEOL 1121 or GEOG 1112 and GEOG 1113. An introduction to surface and sub-surface hydrology, examining components of the hydrologic cycle. Topics include local and global water balance, precipitation, interception and infiltration, runoff, stream flow, water storage, and groundwater. This course makes use of some mathematical equations.

GEOG 3300 An Introduction to Process Geomorphology

3-2-4

Also listed as GEOL3300. Prerequisite: GEOL 1121, or GEOG 1112 and GEOG 1113. An introduction to process geomorphology examining landforms and their formative

processes. Topics include weathering and slope, fluvial (river), coastal, aeolian (wind), glacial and periglacial processes. This course makes use of some mathematical equations.

GEOG 3310 Physiography of North America

3-0-3

Prerequisites: GEOL 1121, or GEOG 1112 and 1113, or consent of the instructor. The physiographic description, including the landforms, soils, structural framework, climate, plant and animal geography, natural resources, and the unique environmental problems of each major physiographic province of the United States and Canada, including Alaska, Hawaii, and Puerto Rico.

GEOG 3320 Geomorphology of Fluvial and Coastal Environments

3-0-3

Prerequisite: GEOG 3300. An examination of processes and landforms in fluvial (river) and coastal environments. Fluvial topics include channel geometry and pattern, characteristics of flow, sediment load, bedforms, and floodplains. Coastal topics include the study of waves and tides, coastal sediment transport, beaches, and the effects of changing sea level. This course makes use of some mathematical equations.

GEOG 3410 Cultural Geography

3-0-3

Prerequisite: consent of the instructor. A study of the Earth as the home of humankind, emphasizing the spatial and functional complexes of human geography. Topics to be considered are population, settlement form, settling processes, resources, and economic, political, and societal organizations.

GEOG 3510 Urban Community Planning

3-0-3

Prerequisites: GEOG 1102. Principles and applications of planning for neighborhoods, towns and cities with an emphasis on the United States. Topics covered include: public services, land-use decision making, economic development, growth management and the role of non-government organizations.

GEOG 3610 Economic Geography

3-0-3

Prerequisites: GEOG 1102, or GEOG 1112 and 1113, or consent of the instructor. A study of area variations in human economic activities as related to production exchange, and consumption of economic goods and services. Emphasis is placed on location of economic activities and related theories.

GEOG 3710 Introduction to Soil Science

2-2-3

Also listed as GEOL 3710. Prerequisites:

GEOL: GEOLOGY

GEOL 112K and GEOG 113K. Examines the nature, formation, properties, and distribution of soil, stressing analysis and use of soils for proper urban, agricultural, and environmental purposes. Two lectures and one laboratory per week.

GEOG 3810 Introduction to Biogeography 3-0-3

Prerequisites: GEOG1112, GEOG 1113, and BIOL 2010, or consent of the instructor. An overview of spatial and temporal patterns in the distributions of plant and animal species across the Earth's surface. Topics covered include ecosystem dynamics, biodiversity, competition and predation, interpreting past life, effects of climate change, and effects of community.

GEOG 4700 Field Methods in Environmental Geography

2-4-4

Prerequisite: Junior Standing and consent of instructor. Study of field techniques and field problems in physical geography. Course includes classroom presentations, field projects, field trips, and writing technical reports.

GEOG 4800 Internship in Environmental Geography

0-6-3 to 0-12-6

Prerequisite: consent of instructor and department head. A supervised, practical experience using physical geography skills in an appropriate organization. Provides the student with an opportunity to apply skills learned during pursuit of environmental geography degree to real world situations. (Graded on S/U basis).

GEOG 4850 Capstone in Environmental Geography

3-0-3

Prerequisite: consent of instructor. Discussion of the scholarly use of materials in various aspects of physical geography, training for effective data collection and analysis, and practice in effective presentation in both written and oral form.

GEOG 4900 Special Topics in Geography

1-0-1 to 4-4-6

Prerequisite: consent of instructor. Topic to be assigned by instructor; the course may be repeated more than once if the topics are different.

GEOG 4990 Directed Study in Geography

1-0-1 to 4-4-6

Prerequisite: at least Junior standing and permission of advisor, instructor, and Department Head. Study in area or subject not normally found in established courses offered by the department; may also allow students to explore in more detail and/or depth an area or subject covered by the department.

GEOL 1110 Our Hazardous Environment

3-0-3

Also offered as GEOG 1110. Students may not receive academic credit for GEOG/GEOL 1110 if they receive academic credit for GEOG 1113 or GEOL 1121. A detailed examination of physical environmental hazards that influence human health and habitation. Lectures focus on the causes, processes, and results of naturally occurring and human-induced geologic, hydrologic, and atmospheric events, such as earthquakes, mud slides, floods, hurricanes, soil erosion, and nuclear and toxic waste. Some mathematics is used.

GEOL 1121K Principles of Physical Geology

3-2-4

Pre- or corequisite: MATH 1101 or higher.

An introduction to the physical processes responsible for the formation and ever-continuing modification of our Earth. Topics covered include the structure of the Earth and plate tectonics, volcanoes and earthquakes, formation of minerals and the rock cycle, origin and evolution of the landscape, and groundwater and energy resources.

GEOL 1122K Principles of Historical Geology

3-2-4

Pre- or corequisite: MATH 1101 or higher.

An introduction to the physical and biological development of the Earth from its cosmic beginning to the present, with emphasis on reconstructing sedimentary environments, tectonic processes, and life forms represented in selected regions of North America. Topics covered include families of rocks, principles and concepts of geologic time, origin and interpretation of sedimentary rocks, evolution, plate tectonics, origin of the solar system, and a survey of Earth History through time.

GEOL 3010 Environmental Geology

2-2-3

Prerequisite: Two natural science lab courses.

The application of basic geologic principles and techniques to problems in land-use planning, resource management, waste disposal, conservation, energy plant siting, under-and-above-ground construction, subsidence, construction in seismic areas, slope-stability, urban development and other problems resulting from human interaction with the geological habitat.

GEOL 3050 Oceanography

3-0-3

Prerequisite: Two natural science lab courses.

The physical, chemical, geological, and biological characteristics of the ocean and the

interactions between the hydrosphere, lithosphere, atmosphere, and biosphere.

GEOL 3100 Principles of Mineralogy/Petrology
2-3-3

Prerequisites: Sophomore standing, GEOL 1121K and GEOL 1122K, and consent of instructor. An introduction to mineral and rock identifications, and the study of the genesis, occurrence, and uses of common minerals and rocks. Laboratory consists of identification of common rocks and minerals.

GEOL 3101 Mineralogy
3-3-4

Prerequisites: GEOL 1121K and CHEM 1151K-1152K, or their equivalents, and/or consent of the instructor. The classification, identification, and crystallography of the principal rock-forming minerals, silicate and non-silicate; and the introduction of the use of the petrographic microscope in the study of the crystallography and identification of minerals.

GEOL 3102 Petrology and Petrography
3-3-4

Prerequisite: GEOL 3101 and/or consent of instructor. Genesis, classification, and properties of igneous, metamorphic, and sedimentary rocks. Laboratory includes the use of analytical methods, hand specimens, thin-section study with the petrographic microscope, and the macroscopic and microscopic properties of important rock types.

GEOL 3200 History of Life
2-3-3

Prerequisite: Sophomore standing and consent of instructor. Principles of paleontology with emphasis on the history of life including vertebrates. Includes an account of the outstanding forms of life from the beginning of earthtime to the present, and those paleontologically significant groups that are uncommon, different, or extinct today.

GEOG 3210 An Introduction to Hydrology
3-2-4

Also listed as GEOG 3220 Prerequisites: GEOL 1121 or GEOG 1112 and GEOG 1113. An introduction to surface and sub-surface hydrology, examining components of the hydrologic cycle. Topics include local and global water balance, precipitation, interception and infiltration, runoff, stream flow, water storage, and groundwater. This course makes use of some mathematical equations.

GEOL 3220 Invertebrate Paleontology
2-2-3

Prerequisites: GEOL 1122K or BIOL 2270 or permission of instructor. Identification, classification, and natural history of major groups of invertebrates preserved as fossils in the geologic

record, with special attention to those forms commonly encountered in the southeastern United States. Emphasis in laboratory will include taxonomic affinities and functional morphology. Saturday (optional) field trips will be scheduled to local areas of interest.

GEOL 3230 Vertebrate Paleontology
2-2-3

Prerequisites: GEOL 1121K and GEOL 1122K, or BIOL 2010 and BIOL 2270. Geologic history and evolution of animals with backbones, with coverage of extinct groups such as the Dinosauria.

GEOL 3250 Micropaleontology
2-2-3

Prerequisites: GEOL 1122K, GEOL 3210, or consent of instructor. The classification, stratigraphic relationships, and methods of study of microfossils with emphasis on the stratigraphically important groups.

GEOL 3300 An Introduction to Process Geomorphology
3-2-4

Also listed as GEOG 3300. Prerequisite: GEOL 1121, or GEOG 1112 and GEOG 1113. An introduction to process geomorphology examining landforms and their formative processes. Topics include weathering and slope, fluvial (river), coastal, aeolian (wind), glacial and periglacial processes. This course makes use of some mathematical equations.

GEOL 3410 Structural Geology
2-2-3

Prerequisites: GEOL 1121K and GEOL 1122K; MAT 1112 or equivalent. Structural features of rocks, such as folds, faults, joints, cleavage, and primary structures, including their origin, classification, analyses and economic relationships. A study of tectonic plate motion is included. Laboratory work includes depth and thickness problems, structure sections, and structure contour maps.

GEOL 3450 Field Methods in Geology
2-4-4

Prerequisites: Sophomore standing, GEOL 1121K and GEOL 1122K, and consent of instructor. An introduction to the basic tools and techniques used in preparation of topographic and geologic maps, and profiles and cross-sections. Includes uses of plane table, alidade, Brunton compass, and aerial photographs.

GEOL 3500 Principles of Geochemistry
3-2-4

Prerequisites: GEOL 1121K and CHEM 1151K, or consent of the instructor. Chemical principles applied to the study of geological and environmental processes. Topics covered include radiogenic and stable isotopes, thermodynamics, aqueous solutions,

oxidation-reduction reactions, and mineral-water equilibria. Application of these concepts to weathering processes, water chemistry, geothermometry, radiometric dating, and other geologic topics. Two lectures and one laboratory per week.

GEOL 3710 Introduction to Soil Science
2-2-3

Also listed as GEOG 3710. Prerequisites: GEOG 1112K and GEOG 1113K. Examines the nature, formation, properties, and distribution of soil, stressing analysis and use of soils for proper urban, agricultural, and environmental purposes. Two lectures and one laboratory per week.

GEOL 4110 Principles of Stratigraphy
3-0-3

Prerequisites: GEOL 1121K and GEOL 1122K. **Corequisite:** GEOL 3410. The interrelationships of stratigraphy, sedimentation, and paleogeography; methods in stratigraphy and correlation.

GEOL 4900 Special Topics in Geology
1-0-1 to 4-4-6

Prerequisite: GEOL 1121K and GEOL 1122K, or equivalent, and consent of instructor. Topics to be assigned by instructor; may be taken more than once if topics are different; up to a total of 6 credit hours.

GEOL 4950 Directed Studies in Geology
1-0-1 to 4-4-6

Prerequisites: GEOL 1121K and GEOL 1122K; **Junior standing; and permission of advisor, instructor, and Department Head.** Study of subjects not normally found in established courses offered by this department; may also allow students to explore in more detail and/or depth subjects covered by this department, up to a maximum of 6 credit hours.

GRMN: GERMAN

GRMN 1001 Beginning German Language and Introduction to German Culture, I
3-0-3

Emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions. GRMN 1001 is not open for credit to students with two or more years of high school German or the equivalent.

GRMN 1002 Beginning German Language and Introduction to German Culture, II
3-0-3

Prerequisite: GRMN 1001 or the equivalent.

A continuation of GRMN 1001, with emphasis on proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions.

GRMN 1111 Intensive German Language & German Culture
3-0-3

Prerequisite: Two or more years of high school German or the equivalent. Emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions. GRMN 1111 is a one-semester combination of GRMN 1001 and GRMN 1002. This course is designed for those students not fully prepared for the 1002 level. GRMN 1111 reviews the concepts presented in GRMN 1001 and advances the student through the material of GRMN 1002.

GRMN 2001 Intermediate German Language and German Culture, I
3-0-3

Prerequisite: GRMN 1002 or the equivalent. Emphasis on the development of proficiency and communicative competence at the intermediate level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness and understanding of various sociocultural aspects and the distinctiveness of certain cultural traditions.

GRMN 2002 Intermediate German Language and German Culture, II
3-0-3

Prerequisite: GRMN 2001 or the equivalent. A continuation of GRMN 2001, with emphasis on proficiency and communicative competence at the intermediate level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness and understanding of various sociocultural aspects and the distinctiveness of certain cultural traditions.

GRMN 3310 Intermediate Reading
3-0-3

Prerequisite: GRMN 2002 or consent of instructor. The development of students' proficiency in spoken and written German. The

readings will be based on material from contemporary sources, including prose, poetry, and theater.

GRMN 3320 Intermediate Grammar and Composition

3-0-3

Prerequisite: GRMN 2002 or consent of instructor. Continued study of the major difficulties of German grammar with practice in compositions.

GRMN 3540 German Popular Literature

3-0-3

Prerequisite: GRMN 3310 or consent of the instructor. Study of lyrical forms, such as the ballads and poems of selected major authors and the lyrics of the common people over several centuries. A study of prose forms of popular literature, such as fairy tales and contemporary children's books.

GRMN 3551 German Culture and Civilization I

3-0-3

Prerequisite: GRMN 3310 or 3320 or consent of the instructor. Study of geography, history, and educational and political systems in Germany, with attention given to music, art, and letters.

GRMN 3552 German Culture and Civilization II

3-0-3

Prerequisite: GRMN 3310 or 3320 or consent of the instructor. Study of current issues in Germany. Selected readings and discussion from the German press, radio and TV, and literary texts.

GRMN 3560 Survey of German Poetry

3-0-3

Prerequisite: GRMN 3310 or consent of the instructor. Study of representative poetry over the centuries with the focus on the development of content and form.

GRMN 3570 Survey of Eighteenth and Nineteenth-Century German Theater

3-0-3

Prerequisite: GRMN 3310 or consent of the instructor. Study of selected plays in their entirety with emphasis on the social changes in German society.

GRMN 3580 Contemporary Works in German-Language Literature

3-0-3

Prerequisite: GRMN 3310 or consent of the instructor. Study of selected works in their entirety with emphasis on current social concerns in the German-speaking world.

GRMN 4410 Advanced Conversation

3-0-3

Prerequisite: GRMN 2002 or consent of instructor. Intensive approach to spoken German based on everyday activities and occurrences.

GRMN 4420 Questions of Gender in German-Language Texts

3-0-3

Prerequisite: GRMN 3310 or consent of the instructor. Study of the works of women authors in the German-speaking world and of the treatment of gender in other texts.

GRMN 4950 Directed Study

3-0-3

Prerequisite: GRMN 3310 or consent of the instructor. Study in a special area of German literature or the German language not normally found in established courses offered by the department. The work is done under the supervision of a professor.

GRMN 4960 Study Abroad Special Topics

3-0-3

Consult the Department of Modern and Classical Languages regarding arrangements, requirements, and credit. May be repeated for a maximum of 9 hours if topics are different.

HIST: HISTORY

HIST 1011 History of Civilization I

3-0-3

Survey of the development of major world civilizations from antiquity through the fourteenth century. Emphasis will be placed on the cultural achievements of each civilization.

HIST 1011H Honors History of Civilization I

3-0-3

Survey of world civilizations from antiquity through the fourteenth century. Emphasis will be placed on the cultural achievements of each civilization; taught in an enriched environment.

HIST 1012 History of Civilization II

3-0-3

Survey of early modern world civilizations from the fifteenth through the eighteenth century. Emphasis will be placed on the growing interactions of world cultures.

HIST 1012H Honors History of Civilization II**3-0-3**

Survey of early modern world civilization from the fifteenth through the eighteenth centuries. Emphasis will be placed on the growing interactions of world cultures; taught in an enriched environment.

HIST 1013 History of Civilization III**3-0-3**

Survey of world civilizations during the nineteenth and twentieth centuries. Emphasis will be placed on the impact of industrialization, global conflict, and the emergence of the Third World.

HIST 1013H Honors History of Civilization III**3-0-3**

Survey of world civilizations during the nineteenth and twentieth centuries. Emphasis will be placed on the impact of industrialization, global conflict, and the emergence of the Third World; taught in an enriched environment.

HIST 2111 United States History to 1865**3-0-3**

A survey of the major political, economic, social, and cultural developments in the United States and Georgia to 1865. (Either HIST 2111 or HIST 2112 satisfies legislative requirements for U.S./Georgia History.)

HIST 2111H Honors United States History to 1865**3-0-3**

A survey of the major political, economic, social, and cultural developments in the United States and Georgia to 1865, taught in an enriched environment. (Either HIST 2111H or HIST 2112H satisfies legislative requirements for U.S./Georgia History.)

HIST 2112 United States History Since 1865**3-0-3**

A survey of the major political, economic, social, and cultural developments in the United States and Georgia since 1865. (Either HIST 2111 or HIST 2112 satisfies legislative requirements for U.S./Georgia History.)

HIST 2112H Honors United States History Since 1865**3-0-3**

A survey of the major political, economic, social, and cultural developments in the United States and Georgia since 1865, taught in an enriched environment. (Either HIST 2111H or HIST 2112H satisfies legislative requirements for U.S./Georgia History.)

HIST 3010 Women in Ancient Greece and Rome**3-0-3**

Also offered as WMST 3010. Issues of particular relevance to women in Greek and Roman society and their modern parallels. Topics include: social, political, and legal rights; the family, marriage, and children; health issues; women and work.

HIST 3020 The Status of Women: Historical Perspectives**3-0-3**

Also offered as WMST 3020. Women in the Western historical tradition with emphasis upon historiographical methods of working women's lives. Primary source materials reveal the evolution of women's views of themselves, first as expressed by men, then by women as they begin to speak of themselves.

HIST 3050/3060/3070 Special Topics in History**3-0-3 each**

Selected themes of historical and contemporary interest.

HIST 3201 Ancient Near East and Greece**3-0-3**

A study of the principal developments in Egyptian, Mesopotamian, and Greek civilizations from the late Neolithic Age through the Peloponnesian War. Political structures, social institutions, and cultural developments will be stressed.

HIST 3202 Hellenistic Greece and Rome**3-0-3**

A study of Mediterranean civilizations from the era of Alexander the Great through the fall of the Roman Empire. Greco-Roman contributions to western cultural traditions will be emphasized.

HIST 3203 Renaissance and Reformation**3-0-3**

A study of the cultural, intellectual, and religious life of Europe in the fourteenth, fifteenth, and sixteenth centuries.

HIST 3205 Europe in the Age of Louis XIV, 1648-1750**3-0-3**

A study of major trends in European history from the Peace of Westphalia to the Enlightenment. Cultural, social, and political achievements of European countries will be stressed.

HIST 3206 Revolutionary Europe, 1750-1815**3-0-3**

A study of major developments in Europe from the Enlightenment through the defeat of Napoleon. The impact of the French Revolution on Europe will be emphasized.

HIST 3207 Europe, 1815-1914**3-0-3**

A survey of the leading developments of the period in Europe, including social and nationalistic trends. Emphasis is placed on factors leading to World War I.

HIST 3208 Europe, 1914-1945**3-0-3**

A survey of the lost generation living in a society broken and disillusioned by World War I.

HIST 3209 Europe Since 1945**3-0-3**

A study of European domestic and international affairs since 1945 with emphasis upon the major states.

HIST 3301 England to 1603**3-0-3**

The English people from early times to the advent of the Stuarts with emphasis on the growth of political, social, economic, and cultural institutions.

HIST 3302 England Since 1603**3-0-3**

England and Great Britain in the period of the seventeenth through the twentieth centuries, emphasis being given to social, economic, and imperial development.

HIST 3303 English Constitutional History**3-0-3**

A study of the development of English judicial and governmental institutions from the Anglo-Saxon period to the present.

HIST 3401 Czarist Russia to 1917**3-0-3**

Russian history from the founding of the nation until the Revolutions of 1917 and the fall of the Romanov Dynasty.

HIST 3402 The Soviet Union and Afterward**3-0-3**

A study of Russia's history as part of the Soviet Union, 1917-1989, and following the Soviet Union's breakup.

HIST 4100 United States Constitutional History**3-0-3**

Development of American constitutionalism from its origins in England and colonies to the present time.

HIST 4201 Colonial America to 1789**3-0-3**

A study of English, French, and Hispanic cultures in America to 1789. Included are the American Revolution, the creation of the United States, and the establishment of a permanent government under the United States Constitution.

HIST 4202 United States, 1789-1850**3-0-3**

A study of United States history from the Washington administration through the Compromise of 1850, focusing on political, cultural, social, and economic developments.

HIST 4203 United States, 1850-1877**3-0-3**

A study of United States history from the Compromise of 1850 to the end of Reconstruction. Focuses on the sectional crisis of the 1850s, the Civil War, and the Reconstruction process after the war.

HIST 4204 United States, 1877-1912**3-0-3**

A study of United States history from the end of Reconstruction to the presidential election of 1912. Emphasizes political, cultural, social, and economic developments.

HIST 4205 United States, 1912-1945**3-0-3**

A study of United States history from the presidential campaign of 1912 to the end of World War II in 1945. Focuses on the Progressive Era, the role of the United States in the Great War of 1914-1918, the Great Depression, and World War II.

HIST 4206 United States Since 1945**3-0-3**

A study of United States history since World War II with emphasis on political, cultural, social, and economic developments and the nation's foreign relations.

HIST 4207 United States Diplomacy to 1914**3-0-3**

A study of the role of the United States in world affairs until 1914.

HIST 4208 United States Diplomacy Since 1914**3-0-3**

A study of the role of the United States in world affairs during World War I, the years between the wars, during World War II, in the Cold War and after, and in other international affairs since World War II.

HIST 4210 History of Georgia**3-0-3**

A comprehensive survey of Georgia's development from the occupation by the earliest Indians to the present. Satisfies the Georgia History legislative requirement.

HIST 4220 Local History**3-0-3**

A study of the methodology of local history research and writing. The course examines aspects of south Georgia history as a means of providing the student with an opportunity to apply the methodology.

HIST 4221 The Old South**3-0-3**

A detailed study of the social, economic, cultural, and intellectual life of the colonial and antebellum South, with consideration of the influence of slavery.

HIST 4222 The New South**3-0-3**

A history of the South since the Civil War, with special attention to political, social, economic, and cultural developments, as well as the problems of southern blacks after emancipation.

HIST 4231 African-American History to 1865**3-0-3**

Also offered as AFAM 4231. The history of the African-Americans from their origin in Africa to the end of slavery in the U.S., with emphasis on their economic life and social thought.

HIST 4232 African-American History Since 1865**3-0-3**

Also offered as AFAM 4232. The history of the African-American struggle for equality after emancipation, with special focus on the problems of black leadership from Frederick Douglass to the present.

HIST 4240 American Social History**3-0-3**

Analysis of the major trends in religion, culture, social structures, and social groups in the United States from the Colonial Era until the present. Particular attention is paid to the experiences of the various ethnic groups making up the American people.

HIST 4250 History of Religion in the South**3-0-3**

Overview of general religious patterns and their influence on southern society, with particular attention to mass religious movements such as the Great Awakening, Great Revival, Mission/Antimission Movement, Confederate Religion, African American Religion, Holiness/Pentecostalism, the Charismatic Movement, and the rise of the Religious Right. The course also will focus on the origins and development of the major denominations in the South.

HIST 4261 Women in the U.S. to 1869**3-0-3**

Also offered as WMST 4261. A study of United States history from the perspective of women. Includes social, cultural, political, intellectual, and economic aspects of the nation's history, and more specifically, the ways women influenced and were influenced by various events and movements in U.S. history from the Colonial period to 1869.

HIST 4262 Women in the U.S., 1869 to the Present**3-0-3**

Also offered as WMST 4262. A study of United States history from the perspective of women. Includes social, cultural, political, intellectual, and economic aspects of the nation's history, more specifically, the ways women shaped and were influenced by various events and movements in U.S. history from 1869 to present.

HIST 4270 History of Women in the U.S. South**3-0-3**

Also offered as WMST 4270. A study of U.S. southern history from the perspective of women. A look at the contributions of women to southern social, religious, political, and intellectual growth; at the ways class, race, gender, and region interact to form a distinct identity among southern women; and at the variety of ways consciousness (self, social, and political) is experienced by women in the U.S. South.

HIST 4280 U.S Women in Religion, Reform, and Radical Activism**3-0-3**

Also offered as WMST 4280. An examination of the ways women contributed to, influenced, and controlled religion, religious movements, reform efforts, radical thinking, and activism throughout U.S. history, and the ways religion, reform, and activism shaped political and social consciousness in general and a feminist consciousness specifically.

HIST 4301 Colonial Latin America**3-0-3**

The founding, growth, and development of Latin America by Spain and Portugal to the wars of independence.

HIST 4302 Republican Latin America**3-0-3**

Major historical trends in Latin America since the wars of independence.

HIST 4303 The Spanish Borderlands**3-0-3**

Political, military, and social developments of Spain's borderlands from Virginia to California, 1513-1821.

HIST 4304 The Caribbean**3-0-3**

Political, economic, social, and cultural developments of the major Caribbean countries, 1492 to the present.

HIST 4401 East Asia**3-0-3**

An analysis of the principal historical and cultural developments in China, Japan, and Korea, with special emphasis upon the interactions of these nations among themselves, their responses to western culture, and their roles in regional and world affairs.

HIST 4402 Asia in the Modern World**3-0-3**

A general overview of the role of Asia in the contemporary world, with special reference to such phenomena as geography, population trends, cultural diversity, and regional and world interactions of the Asian nations.

HIST 4403 The Indian Subcontinent**3-0-3**

An analysis of the 5000-year-old culture of the Indian sub-continent and Sri Lanka, with major emphasis upon the indigenous religions of the region and the impact of western culture and Christianity. Other topics considered are population, caste, the family, village life, government organization, the impact of British rule, and the independence movements that led to the establishment of the independence of India, Sri Lanka, and Bangladesh.

HIST 4404 History of the Vietnam War

3-0-3

An exploration of the many interrelated aspects of the conflict in Vietnam. Topics include French colonization, Ho Chi Minh and Vietnamese nationalism, the 1946-1954 war between the French and the Vietminh, the Cold War policies of the United States, escalating United States intervention in Vietnam, the United States's war in Vietnam (1965-1973), the fall of Saigon, domestic opposition to the war within the U.S.A., and postwar legacies of the conflict.

HIST 4500 History of the Middle East

3-0-3

Overview of the political, religious, and cultural history of present-day Egypt, Sudan, Ethiopia, Israel, Lebanon, Syria, Iran, Turkey, Saudi Arabia, and the states of the Arabian peninsula from the birth of Mohammed to the present. Particular attention is paid to the beliefs, structure, and influence of religious groups, particularly Muslims.

HIST 4511 Precolonial Africa

3-0-3

Also offered as AFAM 4511. An analysis of the 8000-year-old cultures of the Nile Valley including Egypt, Nubia, and Kush; West Africa and its contacts with the Middle East and Europe; the East African city-states and their contacts with India.

HIST 4512 Modern Africa

3-0-3

Also offered as AFAM 4512. An examination of the European colonization of Africa and the African response. The course also examines the emergence of African nationalism and the problems of creating new states.

HIST 4800 Directed Study in History

3-0-3

Supervised readings in areas of history not normally available in regular course offerings, with regular conferences between instructor and student.

HIST 4810 Internship in History

3-0-3 to 9-0-9

Supervised practical experience related to the discipline of history in an appropriate agency, combined with a program of academic work. The number of credit hours granted is dependent on the nature of the program, the hours worked, and the academic program approved in advance. (Graded on satisfactory/unsatisfactory basis.)

HIST 4950 Senior Seminar

3-0-3

Prerequisites: senior standing, completion of 21 hours of advanced history courses, including HIST 3000. A seminar focused on selected

topics and designed to help students synthesize their knowledge and reinforce the skills they have acquired as history majors.

HONS: HONORS

HONS 1990 Honors Introductory Seminar

2-0-2

Prerequisite: Admission to the Honors Program. A seminar, usually with an interdisciplinary focus, designed for students entering the Honors Program. Covers acculturation into the Honors Program, along with exposure to methods of inquiry, modeling behavior, and resources of the university community.

HONS 2010 Honors Colloquium

2-0-2

Co-requisite: HONS 1990. A series of lectures and discussion sessions offered on particular themes, leading to extended work in one particular area of research.

HONS 3330 Honors Option Credit

0-0-0

Prerequisite: HONS 1990 and approval of the Honors Director. Supervised tutorial experience between student and teacher that generates Honors credit for a non-Honors course. May be taken no more than three times. Graded Satisfactory or Unsatisfactory.

HONS 3990 Honors Capstone Seminar

3-0-3

Prerequisite: HONS 1990 and twelve hours in the Honors Program. An interdisciplinary seminar on a selected topic. May be repeated for credit if topics are different.

HONS 4000 Honors Independent Study

1-0-1 to 3-0-3

Prerequisite: HONS 1990 and approval of the Honors Director.

HONS 4990 Honors Senior Project

2-0-2

Prerequisite: HONS 1990, 2010, and twenty hours in the Honors Program. Development, assembly, and presentation of an extended research project or portfolio geared along interdisciplinary lines.

INTL: INTERNATIONAL/INTERCULTURAL STUDIES

INTL 2090 Introduction to International/Intercultural Studies

3-0-3

An overview of international studies as a field of inquiry and practice. An examination of the primary approaches to international study, the development of a cross-cultural perspective in the study of international problems, and an appreciation of the complexities of cross-cultural communication are emphasized

INTL 3000 Foreign Exchange

0-0-0

A course for foreign students enrolled at VSU under official exchange agreements of the University.

INTL 3170 Topics in International/Intercultural Studies

1-0-1 to 3-0-3

Special topics in international studies include on-campus experiences, seminars, and workshops such as the National Model United Nations programs and the spring courses offered in conjunction with the Focus lecture series each spring. May be repeated for credit.

INTL 3500 Study Abroad

0-0-0 to 9-0-9

Prerequisite: Acceptance to a VSU study abroad program. Courses for students studying abroad on VSU-approved programs. Students must have written approval from the Office of International Programs and relevant academic units to register for these courses. The number of credit hours granted is dependent on the nature of the program.

INTL 3510 Study Abroad

0-0-0 to 9-0-9

Prerequisite: Acceptance to a VSU study abroad program. Courses for students studying abroad on VSU-approved programs. Students must have written approval from the Office of International Programs and relevant academic units to register for these courses. The number of credit hours granted is dependent on the nature of the program.

INTL 3520 Study Abroad

0-0-0 to 9-0-9

Prerequisite: Acceptance to a VSU study abroad program. Courses for students studying abroad on VSU-approved programs. Students must have written approval from the Office of International Programs and relevant academic units to register for these courses. The number of credit hours granted is dependent on the nature of the program.

INTL 4800 Seminar in International Studies

3-0-3

An examination of selected international issues and problems from the perspectives of students' major disciplines, providing experience in the multi-disciplinary analysis of international problems and fostering a sensitivity to the interrelatedness of global issues and concerns.

ITED: INSTRUCTIONAL TECHNOLOGY

ITED 3000 Integration : Design, Discipline, & Technology

2-0-2

Prerequisites: BVED 2400, PSYC 3110. The application of the principles of instructional design in an interdisciplinary environment using the tools of technology.

JAPN: JAPANESE

JAPN 1001 Beginning Japanese Language and Introduction to Japanese Culture I

3-0-3

Emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions. JAPN 1001 is not open for credit to students with two or more years of high school Japanese or the equivalent.

JAPN 1002 Beginning Japanese Language and Introduction to Japanese Culture II

3-0-3

Prerequisite: JAPN 1001 or the equivalent. A continuation of JAPN 1001, with emphasis on proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions.

JAPN 1111 Intensive Japanese Language and Japanese Culture

3-0-3

Prerequisite: Two or more years of high school Japanese or the equivalent. Emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness of various sociocultural

aspects and the distinctiveness of certain cultural traditions. JAPN 1111 is a one-semester combination of JAPN 1001 and JAPN 1002. This course is designed for those students not fully prepared for the 1002 level. JAPN 1111 reviews the concepts presented in JAPN 1001 and advances the student through the material of JAPN 1002.

JAPN 2001 Intermediate Japanese Language and Japanese Culture I

3-0-3

Prerequisite: JAPN 1002 or the equivalent. Emphasis on the development of proficiency and communicative competence at the intermediate level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness and understanding of various sociocultural aspects and the distinctiveness of certain cultural traditions.

JAPN 2002 Intermediate Japanese Language and Japanese Culture II

3-0-3

Prerequisite: JAPN 2001 or the equivalent. A continuation of JAPN 2001, with emphasis on proficiency and communicative competence at the intermediate level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness and understanding of various sociocultural aspects and the distinctiveness of certain cultural traditions.

JOUR: JOURNALISM

JOUR 2500 Journalism Newspaper Seminar

1-0-1 to 2-0-2

A practicum for students involved in newspaper production. Content, editing, and production (traditional and electronic) will be addressed. In order to register for two hours, students must have already completed one semester of JOUR 2500. May be repeated for credit.

JOUR 2510 Journalism Newsletter Seminar

1-0-1

A practicum for students involved in the production of newsletters. Content, editing, and production (traditional and electronic) will be addressed. May be repeated for credit.

JOUR 3080 Grammar and Editing

3-0-3

Also offered as ENGL 3080. Prerequisite: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, or 2140. An intensive review of

grammar and usage as well as an introduction to the purposes, practices, and techniques of editing standard English. The grammar section of the course will cover such topics as parts of speech and their uses, sentence elements and their effective uses, agreement, punctuation, and parallelism. Students will also be taught fundamental approaches to editing and the practical application of editing techniques.

JOUR 3500 Introduction to Journalism

3-0-3

A survey of the development, function, and philosophy of journalism with an emphasis on contemporary attitudes, practices, and problems.

JOUR 3510 News Writing

3-0-3

A basic course in writing and reporting for newspapers, with application to other mass communication media. The course acquaints students with the theoretical background and practical experience necessary for them to function effectively in journalistically related fields (newsletter writing, business writing, public relations).

JOUR 3530 Special Topics in Journalism

3-0-3

Selected subjects of interest in journalism.

JOUR 3540 The Law and Journalism

3-0-3

A broad application of the principles of law to the mass media with emphasis on the print media. Topics including libel, privacy, obscenity, and free press-fair trial will be covered.

JOUR 3560 Contemporary American Magazines

3-0-3

A survey of contemporary American magazines and their role in society. The course focuses on writing for specific audiences, interpreting policy and influence, resolving ethical questions, and reviewing production processes.

JOUR 3570 Photojournalism

3-0-3

A basic course in the principles of news photography and black and white photographic techniques. This course will provide students with the fundamental and practical skills needed to photograph news events for newspapers and magazines.

JOUR 4500 Document Design

3-0-3

Also offered as ENGL 4500. Prerequisite: JOUR 3510, ENGL 3060, JOUR/ENGL 3080, or permission of instructor. A study of the theory of layout and design, including editorial decision-making, photo editing, and production technology for print and online media.

JOUR 4510 Feature Writing

3-0-3

Prerequisite: Permission of instructor. A

study of the theory and practice of writing a variety of features for newspapers and magazines, with emphasis on intensive research, interviews, use of statistics, and the organization of long articles.

JOUR 4520 Literary Journalism

3-0-3

Also offered as ENGL 4520. Prerequisite: JOUR 3510, ENGL 3060, JOUR/ENGL 3080, or permission of instructor. A study of the theory and practice of applying fiction techniques to journalistic fact. The course will explore the relationship between literature and journalism, especially in terms of style and subject matter.

JOUR 4530 Editorial, Column, and Review Writing

3-0-3

A study of the theory and practice of writing editorials, columns, and reviews.

JOUR 4550 Reporting

3-0-3

Prerequisite: JOUR 3510. An advanced course in reporting for the media. Emphasis will be on learning to cope with specialized, often highly technical or complex information. Students will learn the fundamentals of covering local government, law enforcement, and the courts and will deal with the controversial issues of our time.

JOUR 4700 Directed Study in Journalism

1-0-1 to 3-0-3

Prerequisite: JOUR 3510. Study in an area or subject not normally found in established courses offered by the department. Permission of adviser, instructor, and department head required. Forms must be completed before registration. May be repeated for credit up to a maximum of 6 hours.

JOUR 4800 Internship in Journalism

3-0-3 to 12-0-12

Supervised work at a newspaper, magazine, or related publication (traditional or online format). The amount of credit depends on the work requirements. Permission to enroll must be secured from the advisor and the department head at least one semester in advance of registration.

KSPE: KINESIOLOGY AND PHYSICAL EDUCATION

KSPE 1000 Fitness and Exercise Concepts

0-2-1

An introduction to the principals and concepts of physical fitness and wellness in order to promote healthy lifestyles. Students will have their fitness level tested and will be able to develop their own personal fitness program.

KSPE 1010 Physical Fitness

0-2-1

Exercise sessions in the Exercise Science Center designed to improve the components of physical fitness for exercise science benefits. Assessment, interpretation and discussion of physical fitness and selected health related components are included.

KSPE 1020 Weight Training

0-2-1

A beginning course emphasizing proper weight lifting techniques and the benefits of weight training exercises. Students will train the major muscle groups. Attention is given to weight room safety, policies and procedures

KSPE 1021 Intermediate Weight Training

0-2-1

Students learn and practice new weight lifting techniques and will develop a personal weight training program.

KSPE 1022 Advanced Weight Training

0-2-1

Prerequisite: Permission of the instructor. Designed to teach power lifting and the Olympic lifts (the clean, the clean & jerk and the snatch).

KSPE 1030 Step Aerobics

0-2-1

A beginning level course in the activity of stepping. Students train towards being able to step up for 30 continuous minutes.

KSPE 1031 Intermediate Step Aerobics

0-2-1

Prerequisite: KSPE 1030. An intermediate level course in the activity of stepping.

KSPE 1040 Slimnastics

0-2-1

Following an initial evaluation students will design a personal training program suited to their individual needs. Attention is given to the principles of proper weight management and good nutrition.

KSPE 1050 Fitness Walking

0-2-1

Basic walking is used as a modality of exercise and instruction focuses on how walking can be used as a lifetime fitness activity. Students learn how to apply the basic principles of exercise and will be taught to monitor their pulse to assess exercise intensity.

KSPE 1060 Jogging

0-2-1

Jogging or running is used as the exercise modality. Attention is given to the various training methods that runners use to improve their performance.

KSPE 1070 Snow Skiing

0-2-1

A series of lessons designed for beginning to ad-

vanced snow skier. A five day stay at an appropriate skiing location is required. A fee is required.

KSPE 1071 Snow Skiing II

0-2-1

Prerequisite: KSPE 1070. For those who participated in HSPE 1070 and wish to make another ski trip. A fee is required.

KSPE 1080 Beginning Tennis

0-2-1

A beginning course in tennis stressing the basics of singles and doubles play. Attention is given to the performance of the basic strokes as well as to the history, rules, etiquette and strategies of play.

KSPE 1081 Intermediate Tennis

0-2-1

A continuation of KSPE 1080 designed for those who wish to learn more advanced techniques in the game of tennis. Attention is given to the improvement of the various strokes and to the development of advanced playing abilities.

KSPE 1100 Beginning Badminton

0-2-1

A beginning course in badminton stressing the basic rules and strategies of play. Attention is given to the skills needed to participate successfully in the sport.

KSPE 1101 Intermediate Badminton

0-2-1

A continuation of KSPE 1100 designed for those who wish to improve their skill level in the game of badminton. Attention is given to developing more advanced levels of game play.

KSPE 1120 Beginning Golf

0-2-1

A beginning course designed to teach the basics of the game of golf. Instruction focuses on the grip, stance and basic swing pattern. A fee is required.

KSPE 1121 Intermediate Golf

0-2-1

Provides instruction in all facets of the game of golf. Students work at mastering the basic skills by practicing various kinds of shots. A fee may be required.

KSPE 1140 Racquetball

0-2-1

A beginning course which provides instruction in the rules, strategies and in the basic skills necessary to play the game.

KSPE 1150 Bowling

0-2-1

Instruction is directed to the history, terms, scoring and techniques of bowling. Fee may be required.

KSPE 1160 Archery

1-1-1

A beginning course emphasizing the skills of

shooting a bow and arrow for participation in target archery. Students will master the basic skills and safety procedures used in shooting.

KSPE 1170 Karate

0-2-1

An introduction to the basics of Shorin-Ji Kempo Karate. Successful completion of the course requirements leads to yellow belt certification.

KSPE 1180 Backpacking

0-2-1

An introductory course involving fundamental survival skills and extended stays in wilderness areas. Consideration will be given to an appreciation for minimum ecological impact upon the land. A fee may be required.

KSPE 1190 Canoeing

0-2-1

An introductory course on navigational and canoeing fundamentals. Topics include basic canoeing maneuvers and considerations for overnight excursions. A fee may be required.

KSPE 1200 Orienteering

0-2-1

A sporting activity combining cross-country running with map reading and navigation using a compass. Students attempt to finish a predetermined course finding the proper checkpoints in as little time as possible.

KSPE 1210 Cycling

0-2-1

A beginning class on the fundamental techniques of cycling.

KSPE 1220 Sailing

0-2-1

An introduction to the basics of sailing.

KSPE 1230 Freshwater Fishing

0-2-1

An introductory course in the skills of freshwater fishing. Students will explore the various techniques of casting and selecting equipment and will visit a local area pond to fish.

KSPE 1240 Beginning Swimming

0-2-1

Red Cross instruction to equip the individual with the basic water safety skills and knowledge in order to make him or her reasonably safe while in, on or near the water. Designed for the non-swimmer.

KSPE 1250 Scuba Diving

1-2-1

A beginning course in the skills of scuba diving. Students will learn and practice those scuba skills while working towards NAUI diver certification. A Fee is

required

KSPE 1241 Intermediate Swimming

0-2-1

Prerequisite: Must be able to swim in deep

water. A continuation of KSPE 1240 designed to introduce a wide variety of swimming skills.

KSPE 1260 Fitness Swimming

0-2-1

Prerequisite: Permission of Instructor. Principles and practices of distance and interval conditioning workouts.

KSPE 1270 Volleyball

0-2-1

A beginning course designed to teach the fundamental skills, strategies and team concepts of volleyball. Attention will be given to the mastery of the basic skills.

KSPE 1271 Intermediate Volleyball

0-2-1

A continuation of KSPE 1270 for those who wish to improve their skills of volleyball. Attention is given to the offensive and defensive strategies and formations used by competitive teams.

KSPE 1290 Soccer

0-2-1

An introductory course designed to present the fundamental skills, strategies, and team concepts of soccer. Attention is given to the skills of dribbling, passing, shooting, trapping, heading and tackling.

KSPE 1300 Basketball

0-2-1

An introductory course designed to present the fundamental skills, strategies, and team concepts of basketball. Attention is given to the improvement of the student's existing skill level.

KSPE 1310 Baseball

0-2-1

An introductory course designed to present the fundamental skills, strategies, and team concepts of baseball. Attention is given to the mastery of the basic skills including throwing, catching, hitting and bunting.

KSPE 1320 Football

0-2-1

An introductory course designed to present the fundamental skills, strategies, and team concepts of football. Attention is given to the skills and team concepts of touch and flag football.

KSPE 1330 Field Hockey

0-2-1

An introductory course designed to present the fundamental skills, strategies and team concepts of field hockey.

KSPE 1340 Softball

0-2-1

An introductory course designed to present the fundamental skills, strategies, and team concepts of softball. Attention is given to the mastery of the basic skills including throwing, catching, hitting and bunting.

KSPE 1350 Wrestling

0-2-1

Designed for students interested in participating in basic wrestling skill development. Beginning and intermediate level applications will be introduced.

KSPE 1360 Table Tennis

0-2-1

A beginning course in the fundamental skills and strategies of table tennis.

KSPE 1370 Self-Defense

0-2-1

Instruction focuses on the techniques and strategies used for self-protection in a variety of situations.

KSPE 1380 Special Topics: Physical Activity

0-2-1

Course designed to allow participation in special physical education activities not offered in the regular curriculum. May be repeated.

KSPE 1390 Varsity Athletics

0-2-1

Prerequisite: Member of a VSU Varsity Athletics Team. Development of skills, techniques and strategies of athletic performance through participation in the intercollegiate varsity athletic program. May be taken once during any academic year, and may be repeated for credit. Does not meet physical education activity requirement for education majors.

KSPE 2000 Health and Wellness for Life

2-0-2

A course of study investigating the major health problems in modern society, with emphasis on methods of understanding and developing lifestyle changes for longer and healthier life. Information on topics such as alcohol, drugs, stress management, nutrition, sexually transmitted diseases, pregnancy and parenthood, cigarette and tobacco use, cancer, and cardiovascular diseases will be discussed.

KSPE 2010 Individual Activities I

0-2-2

Instructional techniques of tennis, golf, track and field. Directed toward prospective Health and Physical Education instructors and designed to develop psychomotor skills in tennis, golf, and track and field. Additionally, this course serves to introduce students to instructional methodology. Designed for Health and Physical Education majors only.

KSPE 2020 Team and Outdoor Activities

1-2-2

Instructional techniques in team activities (e.g., soccer, speedball, volleyball) and outdoor activities (e.g., archery, swimming, orienteering). Directed toward prospective Health and Physical Education instructors and designed to develop

psychomotor skill. Additionally, this course serves to expose students to cognitive and affective concepts and instructional methodologies involving these activities. Designed for Health/Physical Education Majors Only.

KSPE 2030 Educational Movement and Recreational Activities

1-2-2

Instructional techniques in educational movement content across game, rhythmic, and gymnastic activities and recreational activities (e.g., badminton, table tennis, bowling, pickleball, ultimate Frisbee, etc.) Directed toward prospective Health and Physical Education instructors and designed to develop psychomotor skill. Additionally, this course serves to expose students to cognitive and affective concepts and instructional methodologies involving these activities. (Designed for Health/Physical Education Majors Only.)

KSPE 2050 Introduction to Sports Medicine

2-2-3

An introduction to sports medicine, this course provides basic information concerning the required competencies for NATA (National Athletic Trainers Association) certification in athletic training.

KSPE 2070 Lifeguard Training

1-2-2

Prerequisite: Demonstrate swimming competency. Red Cross course to lead to certification as a lifeguard.

KSPE 2080 Water Safety Instructor

1-2-2

Prerequisite: Demonstrate swimming competency. Red Cross course to lead to certification as a swimming instructor.

KSPE 2100 Health and Physical Education as a Profession

2-0-2

The exercise profession including historical perspectives, its role in health promotion and disease prevention, career opportunities, and future outlook. Common physical fitness and health-related assessments are introduced. A minimum number of clock hours is required in various exercise science environments.

KSPE 2110 Exercise Science as a Profession

2-2-3

An introduction to the exercise science profession including historical perspectives, career opportunities and future outlook. The student is also introduced to various physical fitness and health related assessments. A minimum number of clock hours are required in various exercise science environments.

KSPE 2150 First Aid - CPR

1-2-2

A study of the techniques of emergency first aid,

cardiopulmonary resuscitation (adult, child, and infant) and accident prevention. Emphasis will be placed on examining the interrelationships among human behavior, the environment and accidents. Opportunity exists for each student to earn American Red Cross CPR certification and First Aid certification.

KSPE 2800 Life Skills

2-0-2

A general overview of educational experiences and skills needed to develop well-balanced lifestyles. Emphasis is placed on decision making, values, goal setting, study skills, nutrition, sexual responsibility, alcohol and drug awareness, career planning and fiscal responsibility. Course is designed for student athletes.

KSPE 2900H Honors Health and Wellness for Life

2-0-2

A flexible course of study investigating the major health problems facing the United States population in our changing technological society. Taught in a discussion and project-oriented environment.

KSPE 3000 Health Education for Early and Middle School Teachers

3-0-3

Prerequisite: KSPE 2000. A study of the three areas of the school health program (services, environment and instruction) designed to meet the needs of the classroom teacher. Special attention is given to meeting cognitive and affective objectives in regard to health instruction.

KSPE 3010 Exercise Testing and Prescription

3-0-3

A concentrated study of the principles of exercise testing and prescription for the apparently healthy adult including the health appraisal, risk assessment, and interpretation of data. The American College of Sports Medicine exercise guidelines are emphasized.

KSPE 3011 Exercise Testing and Prescription for Special Populations

3-0-3

Prerequisite: KSPE 3010. A continuation of KSPE 3010 with emphasis on special medical or health concerns. Topics include peripheral vascular disease, hypertension, diabetes, obesity, pregnancy, arthritis, asthma, low back pain, children and the elderly. The American College of Sports Medicine exercise guidelines are emphasized.

KSPE 3050 Care and Prevention of Exercise Related Injuries

2-2-3

Prerequisite: Grade of C or higher in KSPE 3430. Designed to provide the exercise science major with the basic knowledge, skills, and abilities required for prevention, treatment,

and rehabilitation of injuries related to physical activity.

KSPE 3150 Drugs and Human Behavior
2-0-2

An investigation of the effects of use and abuse of drugs on human behavior. Both legal and illegal drugs are given attention from the historical perspective through current situations.

KSPE 3160 Special Topics in Exercise Science
1-0-1 to 4-0-4

Prerequisite: permission of the instructor. A flexible course of study dealing with current events or special topics in exercise science. May be repeated

KSPE 3200 Nutrition for Health and Human Performance

3-0-3

An introduction to the characteristics of the essential dietary nutrients and their respective roles in the body. Emphasis is placed on the effects of nutritional practices on health and human performance.

KSPE 3300 Human Sexuality Education
2-0-2

An overview of the principles of human sexuality and family life education with an emphasis on content and materials for teaching P-12. Emphasis will be placed on issues related to instruction and the development of curricular instructional materials.

KSPE 3330 Health and Physical Ed. Methods for Early and Middle School Teachers

3-0-3

A study of teaching methods and curricular options used to fulfill psychomotor, cognitive and affective objectives in the fields of health and physical education. The three areas of school health (services, environment and instruction) are discussed. Activities that are developmentally appropriate are also studied.

KSPE 3340 Physical Education for Early and Middle School Teachers

3-0-3

A study of the growth and developmental patterns of children. Teaching methods used to fulfill psychomotor, cognitive, and affective objectives and activities appropriate for development and grade level are studied.

KSPE 3350 Stress Management
2-0-2

A study of the impact of stress on emotional and physical health. Emphasis is on sources of stress, assessment of stress, and techniques of managing stress. Included are teaching skills and strategies to enhance the delivery of stress management education in a variety of practice settings including schools, worksites, and the community.

KSPE 3360 Chronic Disease Epidemiology
3-0-3

Prerequisite: Grade C or higher in MATH 2620. Introduction to the distribution and the determinants of chronic diseases in the population. Causal relationships laying the groundwork for programs of prevention and control emphasized. Commonly used epidemiological statistics and research methods discussed.

KSPE 3370 Public Health Education
3-0-3

An introduction to aspects of public health including identification and discussion of contemporary and controversial health issues and the agencies which address these concerns.

KSPE 3400 Evaluation in Health and Physical Education

2-0-2

Designed to provide the student with information related to basic statistics and data analysis, assessment and evaluation procedures and instruments across the psychomotor, cognitive and affective domains, and the application of this content within the physical education instructional setting.

KSPE 3410 Biomechanics
2-2-3

Prerequisite: Grade C or higher in BIOL 2651. Structural anatomy, neuromuscular physiology and biomechanical principles applied to sport skills and fitness activities.

KSPE 3420 Exercise Physiology
2-2-3

Prerequisite: Grade of C or higher in BIOL 2651. An understanding of how the body, from a functional standpoint, responds, adjusts, and adapts to exercise. Topics include bioenergetics, neuromuscular concepts, cardiorespiratory considerations, physical training, and environmental concerns involving physical activity, athletic performance, and health-related fitness.

KSPE 3430 Kinesiology
2-2-3

Prerequisite: Grade of C or better in BIOL 2651. Basic physical concepts as they apply to human movement are explored. Structural anatomy, neuromuscular physiology and biomechanical principals as they apply to sport skills and fitness activities are emphasized.

KSPE 3450 Comprehensive Health Education
1-2-2

Prerequisite: KSPE 2000. Designed to develop an understanding of the school health program. Special attention is given to methods of meeting the cognitive and affective objectives through health instruction. Field experiences in the public schools are required. Specifically designed for Health and Physical Education majors.

KSPE 3460 Health Education Methods and Materials
1-2-2

Prerequisite: KSPE 3450. A continuation of KSPE 3450, with emphasis on instruction and experience in methods and materials of health education in the early, middle and secondary grades. Field experiences in the public schools are required. Specifically designed for Health and Physical Education majors.

KSPE 3600 Motor Learning and Development
2-2-3

Designed to introduce the physical educator and coach to neuroanatomy and neurophysiology as related to motor development, motor movement, skill development and physical education. The constructs of psychology such as attention, individual differences, knowledge of results, memory, motivation, practice, transfer of learning and transfer of training will be presented.

KSPE 3650 Instruction and Supervision of Resistance and Flexibility Training Program
2-2-3

Prerequisite: Grade C or higher in KSPE 3430. Development, instruction, supervision, and evaluation of muscular fitness and flexibility programs for diverse populations and settings using a variety of training modalities. Based upon competencies required for ACSM, NATA, and NSCA certifications.

KSPE 3690 Program Planning and Applied Technology in Health and Physical Education
1-0-1

Designed to provide the student with pertinent information relative to basic instructional and planning methodologies, computer applications, and APA writing implications for the health and physical education discipline.

KSPE 3700 Elementary Physical Education Methods and Content
1-2-2

Designed to provide the student with information related to instruction in physical education methodologies and content for preschool through fifth grade public school students. Field experiences in the public schools are required.

KSPE 3860 Legal Aspects in the Sport Sciences
2-0-2

Designed to give the student understanding and appreciation of the legal aspects of physical education, athletic training and recreation professions.

KSPE 3910 Principles and Methods of Adapted Physical Education
1-2-2

Designed to introduce students to instruction in physical education provided for individuals with special needs. Topics pertaining to significant

legislation, various special needs population characteristics, planning and assessment are presented. Field experience exposures are required.

KSPE 4010 Planning and Evaluating Health Promotion Programs
3-0-3

Prerequisite: KSPE 3360. Lecture, discussion and individual student project presentations are combined to illustrate the major processes involved for effective planning, implementation and evaluation of health behavior interventions. A planning model, applicable to a variety of practice settings and health problems, is utilized throughout the course.

KSPE 4050 Admin & Mgt. of Health Promotion and Exercise Programs
3-0-3

Prerequisite: Senior status and/or instructor permission. Application of basic management and administrative principles to health promotion and exercise programs.

KSPE 4070 Exercise Cardiopulmonary Physiology
3-0-3

Prerequisite: Grade C or higher in KSPE 3420. A concentrated study in the exercise physiology of the healthy and diseased cardiopulmonary system. Emphasis on cardiopulmonary adaptations to acute and chronic exercise, and on normal versus abnormal conditions and their effects on exercise testing and training.

KSPE 4080 Exercise Electrocardiography
3-0-3

Prerequisite: Grade of C or higher in KSPE 3010. A basic understanding of the 12-lead electrocardiogram as it relates to graded exercise testing, training and functional evaluation. The course is designed particularly to assist the clinical exercise physiologist in developing the skills required for quickly identifying electrocardiographic patterns at rest and during exercise.

KSPE 4090 Exercise Cardiopulmonary Medications
3-0-3

Prerequisite: Grade of C or higher in KSPE 4080. Designed to assist the clinical exercise physiologist understand the mechanisms of principal action, major side effects, symptoms of drug intolerance or toxicity, and how they may affect exercise testing and training, including the electrocardiogram.

KSPE 4130 Exercise Cardiopulmonary Rehabilitation
3-0-3

Prerequisite: Prerequisite: Grade C or higher in KSPE 4070. A study of multi-phasic and multi-disciplinary programs designed to restore to a productive life the individual with

cardiopulmonary disease. Common medical treatments and diagnostic procedures and treatments reviewed. Emphasis on the American College of Sports Medicine and the American Association of Cardiovascular and Pulmonary Rehabilitation guidelines.

KSPE 4220 Management of Physical Education Programs

2-0-2

A study of administrative theory and principles as they relate to the process of planning, organizing, supervision, personnel, budget, facility design, risk management, and other issues that are related to operating physical education and sports programs in educational and community settings.

KSPE 4230 Psychosocial Dimensions of Physical Activity

2-0-2

An introduction to the psychological principles used to enhance learning and performance in motor activities and the sociological forces affecting the learner and performer.

KSPE 4250 Organization and Administration Strategies in Athletic Training

3-0-3

Prerequisite: KSPE 2050. A study of management techniques used in typical athletic training settings. General topic areas to include facility design, human resource management, information processing, and financial management techniques. Athletic injury insurance and legal considerations in athletic training will also be covered.

KSPE 4300 Foundations of Injury Prevention and Care

2-2-3

Prerequisite: KSPE 2050 or consent of instructor. Provides the student with knowledge concerning sports injury prevention, treatment and taping skills. Emphasis is placed on protocols common in the athletic training profession.

KSPE 4350 Evaluation and Assessment of Athletic Injuries to the Lower Extremities

2-2-3

Prerequisite: KSPE 4300 or consent of instructor. Advanced principles addressing athletic injuries that commonly occur to the lower extremity with regard to evaluation protocol and tests.

KSPE 4360 Evaluation and Assessment of Athletic Injuries to the Upper Extremities

2-2-3

Prerequisite: KSPE 4350 or consent of instructor. Advanced principles addressing athletic injuries that commonly occur to the upper extremity with regard to evaluation protocol and tests.

KSPE 4400 Therapeutic Modalities & Rehabilitation in Sports Medicine

2-2-3

Prerequisite: KSPE 4360 or consent of instructor. An introduction to basic rehabilitation principles in the sports medicine profession in addition to the use of therapeutic modalities available in this process.

KSPE 4410 Athletic Training Practicum

0-0-4

Prerequisite: KSPE 4400.

KSPE 4420 Athletic Training Internship

0-0-4

Prerequisite: KSPE 4400.

KSPE 4430 Athletic Training Field Experience

0-0-12

Prerequisite: Approval of Program Director.

KSPE 4450 Sport Related Illnesses and Conditions

3-0-3

Prerequisite: KSPE 4360. Investigating signs, symptoms and treatments of illnesses and conditions common to athletes but not addressed in previous sports medicine courses.

KSPE 4490 Rehabilitation Techniques in Sports Medicine

3-0-3

Prerequisite: KSPE 4400. Provides the student with the knowledge needed to develop comprehensive rehabilitation programs. The development of therapeutic goals and objectives, exercise gradation and methods of evaluating rehabilitation progress will be stressed.

KSPE 4510 Exercise Science Practicum

0-6-3

Prerequisites: Admission and retention to Exercise Science must be satisfactory before registration. Student must also have current current CPR, ACSM liability insurance, and graduation check list returned from the Registrar.

KSPE 4550 Exercise Science Internship

0-0-12

Prerequisite: All requirements for the B.S. in Exercise Science degree, except KSPE 4550. Student must also have current CPR and ACSM liability insurance.

KSPE 4570 Directed Study in Health

1-0-1 to 3-0-3

Prerequisite: Approval of Instructor and Department Head. Development and in-depth study of an approved topic of interest related to the field of health, health education, exercise science, or sports medicine.

KSPE 4580 Directed Study in Physical Education

1-0-1 to 3-0-3

Prerequisite: Approval of Instructor and Department Head. Development of an in-depth study of an approved topic of interest related to the field of physical education.

KSPE 4650 Applied Structural Anatomy and Kinesiology
2-2-3

Prerequisite KSPE 4360. In depth study of human structural and neuromuscular anatomy. Special emphasis is placed upon analysis of the extremities and joint structures as related to sport, injury conditions, and exercise prescriptions.

KSPE 4710 Middle Grade and Secondary Physical Education
Methods and Content

1-2-2

Designed to provide the student with information related to instruction in physical education methodologies and content for middle grade and secondary public school students. Significant field experience exposures are required in the public schools.

KSPE 4780 Internship in Physical Education
0-0-6

Prerequisite: Completion of coursework and approval of department.

KSPE 4790 Student Teaching in Health and Physical Education 0-0-10

Prerequisite: Completion of all course requirements.

KSPE 4800 Professional Practice Seminar
2-0-2

Prerequisite: Completion of all course work and a 2.5 GPA. Corequisite: KSPE 4790. Reflection of educational practices and refinement of concepts emanating from student teaching experience.

LATN: LATIN

LATN 1001 Beginning Latin Language and Introduction to Roman Culture I

3-0-3

Emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions. LATN 1001 is not open for credit to students with two or more years of high school Latin or the equivalent.

LATN 1002 Beginning Latin Language and Introduction to Roman Culture II

3-0-3

Prerequisite: LATN 1001 or the equivalent. A continuation of LATN 1001, with emphasis on proficiency and communicative competence at the novice level in the four basic skills: speak-

ing, listening, reading, and writing. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions.

LATN 1111 Intensive Latin Language and Roman Culture

3-0-3

Prerequisite: Two or more years of high school Latin or the equivalent. Emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions. LATN 1111 is a one-semester combination of LATN 1001 and LATN 1002. This course is designed for those students not fully prepared for the 1002 level. LATN 1111 reviews the concepts presented in LATN 1001 and advances the student through the material of LATN 1002.

LATN 2001 Intermediate Latin Language and Roman Culture

3-0-3

Prerequisite: LATN 1002 or the equivalent. Emphasis on the development of proficiency and communicative competence at the intermediate level in the four basic skills: listening, reading, and writing, and some speaking within a limited context. Awareness and understanding of various sociocultural aspects and the distinctiveness of certain cultural traditions.

LATN 2002 Fundamentals of Roman Literature and Roman Culture

3-0-3

Prerequisite: LATN 2001 or the equivalent. Emphasis on epic poetry (Virgil's Aeneid) and on proficiency and communicative competence at the intermediate level in the four basic skills: listening, reading, and writing, and to some extent, speaking. Awareness and understanding of various sociocultural aspects and the distinctiveness of certain cultural traditions.

LEAS: LEGALASSISTANT STUDIES

LEAS 1100 Introduction to Paralegalism

3-0-3

An introduction to the field of paralegalism. The course will include the role of the paralegal in the legal system, the regulation and ethics of practice and the skills necessary for successful practice.

LEAS 3200 Legal Research I

3-0-3

Prerequisite: LEAS 1100. A study of legal research methods utilizing state and federal sources. Students will develop professional skills as they read and analyze appellate court opinions, legislation and pleadings.

LEAS 3201 Legal Research II

3-0-3

Prerequisites: LEAS 1100 and LEAS 3200. A continuation of Legal Research I. This course will emphasize computer assisted legal research skills as well as the preparation of legal documents.

LEAS 3210 Pre-Trial Preparation and Procedures

3-0-3

Prerequisite: LEAS 1100. The study of pre-trial procedures and tactics in civil and criminal cases. The course will include methods of investigation, interviewing clients, preparation of clients and witnesses for testifying, competency of evidence, preparation of interrogatories, other discovery methods, and pleadings.

LEAS 3220 Business Entities

3-0-3

Prerequisite: LEAS 1100. The study of corporate, partnership and agency law. This course will examine the applicable law as well as the formation and dissolution of various types of business entities.

LEAS 3230 Criminal Law for the Paralegal

3-0-3

Prerequisite: LEAS 1100. The study of procedural and substantive criminal law. The application, interpretation, and enforcement of criminal law will be addressed. The role of the paralegal in the criminal justice system will be emphasized.

LEAS 3240 Civil and Criminal Procedure

3-0-3

Prerequisite: LEAS 1100. The study of the methods used to litigate civil and criminal cases in both state and federal court. The preparation of documents necessary to move cases through the courts will be emphasized, as well as the role of the paralegal in litigation.

LEAS 4200 Family Law

3-0-3

Prerequisite: LEAS 1100. The study of applicable law surrounding family relationships. The issues of adoption, marriage, divorce, alimony, child custody and support, and property division, will be addressed.

LEAS 4210 Consumer Law

3-0-3

Prerequisite: LEAS 1100. The study of the laws that govern consumer practices. The law surrounding commercial paper, contracts, sales, and secured transactions will be emphasized.

LEAS 4220 Administrative Law

3-0-3

Prerequisite: LEAS 1100. The study of laws governing administrative agencies of government. Special emphasis will be placed on the role of the paralegal in dealing with various administrative agencies.

LEAS 4230 The Law of Real Property

Transactions

3-0-3

Prerequisite: LEAS 1100. The study of laws that control real property transactions. Topics covered include the conveyancing of real property, title search methods and landlord-tenant issues.

LEAS 4250 Trial Advocacy

3-0-3

Also offered as POLS 4250. An examination of all aspects of presenting a case in trial. Students develop effective methods for analyzing and preparing cases for presentation in trial. Students will learn and use basic technical skills necessary as members of the University's Mock Trial Team at tournaments sponsored by the American Mock Trial Association.

LEAS 4700 Directed Study in Legal Assistant Studies

1/3-0-1/3

Prerequisites: Legal Assistant Studies major and LEAS 1100. Directed reading and research in selected areas of legal assistant studies. Topics examined will include those not normally found in established legal assistant studies courses. Regular conferences between instructor and student will be required. Permission of the advisor, instructor and department head must be obtained prior to registration.

LEAS 4802 Special Topics in Legal Assistant Studies

3-0-3

Prerequisite: LEAS 1100. Selected topics of interest in legal assistant studies.

LEAS 4900 Internship in Legal Assistant Studies

3-0-3

Prerequisite: Legal Assistant Studies major, LEAS 1100 and LEAS 3200. Supervised, practical experience in an appropriate legal setting. Permission of the advisor, instructor and department head must be obtained prior to registration.

LIBS: LIBRARY SCIENCE

LIBS 1000 Introduction to Library Resources

1-0-1

Designed to promote an awareness of Valdosta State University Library Services and general information resources, including the role of information in society, research skills, the Internet, and critical thinking skills.

LIBS 2000 Introduction to Specialized Library Resources

1-0-1 to 2-0-2

Offered at departmental request. A study of the reference resources essential to majors in the department requesting the course.

LING: LINGUISTICS

LING 4000 Elements of Linguistics

3-0-3

Prerequisite or co-requisite: ENGL 2110 or 210H, 2120 or 2120H, 2130 or 2130H, or 2140. A study of applied linguistics which examines the nature, structure, and diversity of language, including the phonological, syntactic, and semantic patterns of English in contrast to features of other selected languages. The course may be part of the 9-hour sequence for those seeking an English to Speakers of Other Languages (ESOL) endorsement to a Georgia state teaching certificate.

LING 4160 Sociolinguistics

3-0-3

Prerequisite or Co-requisite: LING 4000. A study of the nature of language and the relationships between language and culture. Emphasis on cultural and social factors affecting language. The course may be part of the 9-hour sequence for those seeking an English to Speakers of Other Languages (ESOL) endorsement to a Georgia state teaching certificate.

MATH: MATHEMATICS

MATH 0097, MATH 0099

See the Learning Support Section on the last page of the course offerings.

MATH 1101 Introduction to Mathematical Modeling

3-0-3

A study of algebraic topics from a modeling perspective. Introduction to different types of models including linear, quadratic, polynomial, exponential, and logarithmic. Emphasis on gathering, presentation, and interpretation of data by using real-world examples as models.

MATH 1111 College Algebra

3-0-3

Algebraic topics including polynomials, rational expressions, equations, inequalities, graphing, exponents and radicals, relations and functions through exponential and logarithmic functions.

MATH 1112 Trigonometry

3-0-3

Prerequisite: MATH 1111 or equivalent. Circular, trigonometric, and inverse functions, mathematical induction, the binomial theorem, and complex numbers.

MATH 1113 Precalculus

3-0-3

Prerequisite: Either MATH 1112 or both a Mathematics SAT score greater than 549 and a strong background in high school mathematics including the equivalent of MATH 1112. Study of polynomial, rational, and transcendental functions and applications, conic sections, polar coordinates, parametric equations, and mathematical induction.

MATH 1113H Honors Precalculus

3-0-3

Prerequisite: Either MATH 1112 or both a mathematics SAT score greater than 549 and a strong background in high school mathematics including the equivalent of MATH 1112. Study of polynomial, rational, and transcendental functions and applications, conic sections, polar coordinates, parametric equations, and mathematical induction. Focus on concepts and real-world applications.

MATH 1261 Survey of Calculus I

3-0-3

Prerequisite: MATH 1111 or MATH 1101. Topics include limits, continuity, differentiation of functions of one variable, and applications.

MATH 1262 Survey of Calculus II

3-0-3

Prerequisite: MATH 1261. A continuation of Survey of Calculus I. Topics include techniques and applications of integration of functions of one and several variables, and techniques and applications of differentiation of functions of several variables.

MATH 2150 Introduction to Linear Algebra

3-0-3

Prerequisite: MATH 2261 or consent of instructor. Systems of linear equations, matrices, determinants, and their properties; vectors and inner products; vector spaces; linear transforma-

tions; eigenvalues and eigenvectors. Special emphasis is placed on applications.

MATH 2261 Analytic Geometry and Calculus I
4-0-4

Prerequisite: MATH 1112 or preferably MATH 1113. Introduction to limits, derivatives, integration, fundamental theorem of calculus, and applications.

MATH 2262 Analytic Geometry and Calculus II
4-0-4

Prerequisite: MATH 2261. Integrals; exponential, logarithmic, trigonometric, and inverse functions; applications of calculus; parametric equations; polar coordinates; sequences and series.

MATH 2263 Analytic Geometry and Calculus III
4-0-4

Prerequisite: MATH 2262. Three-dimensional analytic geometry; functions of several variables; partial derivatives; multiple integrals, line and surface integrals.

MATH 2620 Statistical Methods
3-0-3

Prerequisite: MATH 1111 or MATH 1101. An introductory course in statistics. Topics include descriptive statistics; basic notions of probability, random variables, probability distributions, simple random sampling, and sampling distributions; confidence intervals and hypothesis tests; and regression. The application of statistical methodology and the use of computer software are emphasized.

MATH 3000 Tutoring in Mathematics
2-0-2

Prerequisite: Consent of Tutoring Center Director. Philosophy and fundamentals of one-to-one tutoring in mathematics that takes place in the Tutoring Center. Review of basic mathematical concepts in algebra and calculus. Introduction to current technology for enhancement of mathematics instruction. Designed for the Tutoring Center tutors in mathematics, it is graded on an S/U basis. Students must complete this course prior to tutoring in the center or must register for this course during their first semester of tutoring.

MATH 3010 History of Mathematics
3-0-3

Prerequisite: MATH 2261. A study of the development of mathematics from primitive times to the twentieth century; including numeral systems, arithmetical methods, origins of algebra, geometry, trigonometry, analytic geometry, calculus; and selected topics from modern mathematics.

MATH 3040 Set Theory
3-0-3

Prerequisite: MATH 2262. Propositional and predicate logic; mathematical induction. Logic

and structure of sets as related to mathematical proof. Relations, and cardinality.

MATH 3080 Algebraic Structures
3-0-3

Prerequisite: MATH 3040. An examination of the structural foundations of the secondary school algebra curriculum. Topics include rings, integral domains, groups (including groups of transformations) and polynomials. Emphasis on development of students' deductive reasoning and proof techniques.

MATH 3140 Mathematics for Special Education Teachers
3-0-3

Prerequisite: MATH 1111. Fundamental mathematical concepts beginning with prenumber notions and then extending to number concepts, numeration systems, and computational algorithms for whole and rational numbers; geometry and measurement, and the role of technology in mathematics instruction.

MATH 3160 Mathematics for Early Childhood Teachers
3-0-3

Prerequisite: MATH 1111. A study of concepts and processes underlying the elementary school mathematics curriculum (K-4). Topics include numeration, number systems, estimation, computational algorithms, informal geometry, and measurement.

MATH 3161 Mathematics for Early Childhood Teachers I
3-0-3

Prerequisite: C or better in either MATH 1101 or MATH 1111. An in-depth study of the concepts and processes underlying the P-5 school mathematics curriculum with special emphasis on numeration, number systems, estimation, and computational algorithms. Problem solving and historical context serve as unifying strands.

MATH 3162 Mathematics for Early Childhood Teachers II
3-0-3

Prerequisite: C or better in Math 3161. An in-depth study of concepts and processes underlying the P-5 school mathematics curriculum with special emphasis on measurement, geometry, and the fundamentals of probability and statistics. Problem solving and historical context serve as unifying strands.

MATH 3180 Mathematics for Middle School Teachers
3-0-3

Prerequisite: MATH 1111. Concepts and processes that provide the foundation for the middle-grades mathematics curriculum (5-8). Includes an in-depth study of the real number system with emphasis on the rational number system and axiomatic differences among num-

ber systems. Other topics include relations and functions, geometry (including coordinate geometry and graphing), measurement, and elementary probability and statistics.

MATH 3190 Algebra & Geometry for Teachers
2-2-3

Prerequisite: C or better in either MATH 1111 or MATH 1113. An in-depth study of the concepts and processes underlying the Middle and secondary school mathematics curriculum with special emphasis placed upon the interrelated development of algebra, geometry, and analytical geometry. Problem solving and historical context serve as unifying strands.

MATH 3340 Ordinary Differential Equations
3-0-3

Prerequisite: MATH 2262 or consent of instructor. Differential equations of first and second order, linear equations of higher order, and applications.

MATH 3510 Foundations of Geometry
3-0-3

Prerequisite: MATH 3040. A study of Euclidean and non-Euclidean plane geometry from both synthetic and metric approaches. Topics include concepts related to incidence, betweenness, plane separation and convexity, congruence, and parallelism, with some attention given to geometric transformations.

MATH 3600 Probability and Statistics
3-0-3

Prerequisite: MATH 2261. Descriptive statistics, probability distributions for discrete and continuous random variables, statistical inference, one way analysis of variance, and regression analysis.

MATH 3900 Mathematical Theory of Interest
3-0-3

Prerequisite: MATH 2262. A treatment of the mathematical theory and the practical applications of the various measures of interest. Included in the topics to be covered are simple and compound interest, continuous annuities, varying annuities, amortization, sinking funds, bonds, valuation of securities.

MATH 4081 Modern Algebra I
3-0-3

Prerequisite: MATH 4150 or MATH 3040 or consent of instructor. Topics from groups, rings, and fields. Subgroups, cyclic groups, permutation groups, normal subgroups, homomorphisms, Cayley's and Lagrange's Theorems, factor groups, abelian groups, direct products. Introduction to rings and fields.

MATH 4082 Modern Algebra II
3-0-3

Prerequisite: MATH 4081. Continuation of MATH 4081 with emphasis on rings and fields.

Rings, integral domains, and fields. Vector spaces, extension fields, finite fields.

MATH 4085 Applied Modern Algebra
3-0-3

Prerequisite: MATH 4081. Lattices, Boolean algebras, semigroups, binary group codes, binary relations, and graphs. Special emphasis is placed on applications.

MATH 4110 Number Theory
3-0-3

Prerequisite: MATH 2262. Elementary properties of integers including divisibility, unique factorization, progressions and prime numbers. Linear congruences and residue classes, complete and reduced residue systems, Chinese Remainder Theorem, quadratic residues, law of quadratic reciprocity, Theorems of Fermat and Wilson, Fibonacci and perfect numbers, sums of squares, elementary theory of continued fractions.

MATH 4150 Linear Algebra
3-0-3

Prerequisites: *Either* MATH 2150 and MATH 3040 *or* consent of instructor. Introduction to the theory of vector spaces, with emphasis on finite-dimensional vector spaces, linear systems, matrices, linear transformations, eigenvalues, and related subjects.

MATH 4161 Mathematical Reasoning
3-0-3

Prerequisite: C or better in either MATH 3161 or MATH 3180. An in-depth study of concepts and processes underlying the P-8 school mathematics curriculum with special emphasis on informal and formal mathematical reasoning. Problem solving and historical context serve as unifying strands. The analysis and remediation of student errors manifested in the application of conceptual and procedural mathematical knowledge will also be addressed.

MATH 4260 Mathematical Analysis
3-0-3

Prerequisites: MATH 3040 *or* consent of instructor *or* MATH 2263 with a grade of A or B. A study of the principles of mathematical analysis; point set topology in Euclidean and metric spaces, numerical sequences and series, continuity, differentiation, integration, sequences and series of functions.

MATH 4300 Functions of a Complex Variable
3-0-3

Prerequisite: MATH 2263. Introductory study of the algebraic and geometric properties of the complex number system and functions of a complex variable. Limits, continuity, and differentiation of complex functions. Analytic functions and the Cauchy-Riemann conditions. Integration of complex functions; Cauchy-Goursat theorem; Cauchy integral formula; the

theorems of Morera and Liouville. Taylor and Laurent series expansions. Residues and poles with applications to integration. Conformal mappings.

MATH 4540 Topology

3-0-3

Prerequisite: MATH 3040. The study of point set topology in metric and topological spaces. Open and closed sets, compactness, connectedness, topological mappings, separation, product and functions spaces.

MATH 4621 Mathematical Statistics I

3-0-3

Prerequisites: MATH 2263 and either MATH 2620 or MATH 3600. Distributions of random variables, conditional probability and stochastic independence, multivariate and some special distributions, and distributions of functions of random variables.

MATH 4622 Mathematical Statistics II

3-0-3

Prerequisite: MATH 4621. Introduction to statistical inference, sufficient statistic, estimation theory, theory of statistical tests, and inferences about normal models.

MATH 4630 Topics in Applied Statistics

3-0-3

Prerequisite: MATH 3600 or consent of instructor. Topics in applied statistics will be selected from quality control, sampling theory, nonparametric statistics, experimental design, or regression analysis.

MATH 4651 Numerical Analysis I

3-0-3

Prerequisites: MATH 2262 and either CS 1301 or CS 1338. Development and implementation of efficient numerical methods; locating roots of nonlinear equations; solving systems of linear equations; numerical differentiation and integration; interpolation; approximation of functions.

MATH 4652 Numerical Analysis II

3-0-3

Prerequisites: MATH 4651 and MATH 3340. Continuation of MATH 4651. Determination of eigenvalues and eigenvectors of matrices; method of least squares, and curve fitting; numerical solutions of ordinary and partial differential equations.

MATH 4901 Operations Research I

3-0-3

Prerequisite: MATH 2150 or MATH 4150. Mathematical aspects and applications of Operations Research. Topics are selected from linear programming (mainly), integer programming, and dynamic programming.

MATH 4902 Operations Research II

3-0-3

Prerequisite: MATH 3600 or MATH 4621 (Note that MATH 4901 is not a prerequisite). An introduction to stochastic operations research. Topics are selected from stochastic modeling and optimization, probability models, queueing theory, and Monte Carlo simulation.

MATH 4910 Mathematical Models

3-0-3

Prerequisite: MATH 2263 or consent of instructor. An introduction to basic principles and applications of classical mathematical models, optimization models and probabilistic models.

MATH 4980 Senior Seminar

3-0-3

Prerequisite: A 4000-level course in algebra, analysis, or topology. A capstone experience in pure mathematics. Topics in an area of algebra, analysis, or topology will be covered and presented in a written and/or oral form.

MATH 4990 Special Topics in Mathematics

Variable

Prerequisites: Consent of instructor and Head of the Department of Mathematics and Computer Science. Topics and credits to be assigned. May be taken more than once if topics are different.

MATH 4990H Honors Special Topics in Mathematics

Variable

Prerequisites: Consent of instructor and Head of the Department of Mathematics and Computer Science. Topics and credits to be assigned. Student presentations will be required. May be taken more than once if topics are different.

MGED: MIDDLE GRADES EDUCATION

MGED 3000 Special Topics in Middle Grades Education

1-0-1 to 3-0-3

Prerequisite: Admission to teacher education. Studies of selected topics in middle grades education.

MGED 3110 Intergrating Technology in Middle Grades Education

2-0-2

Prerequisites: Admission to MGE professional program. Focuses on advancing a learner's systematic, progressive migration to a student-centered, technology-empowered classroom. Central theme is intergrating technology into the curriculum.

MGED 3210 Literature for Middle Grades Education

3-0-3

A survey of literary forms appropriate for middle grades child (Grades 4-8). Emphasis is placed on methods of classification, selection and presentation of literature to children in the middle grades.

MGED 3220 Writing in the Content Areas for Middle Grades

3-0-3

Designed for majors to acquire instructional strategies for including writing in all content areas of middle grades curriculum.

MGED 3310 Methods of Teaching Geography in Middle Grades Education

3-0-3

Covers methods and materials used in teaching geography. Concepts include land and water forms, relief features, direction and distance, social data, economic information, political information, scientific information, and human factors.

MGED 3410 Teaching Geometry and Measurement in Middle Grades

3-0-3

Methods and materials for instruction in informal geometry and measurement. Teaching techniques applied to both solid and planar geometry.

MGED 3420 Teaching of Probability and Statistics in Middle Grades

3-0-3

Experimentally-based activities of teaching probability and statistics in grades 4-8. Data collection, organization, graphical presentation and interpretation. Methods and materials for teaching probability with an emphasis on application.

MGED 3450 Applications of New Technology in Teaching Middle Grades Mathematics

3-0-3

Integration of technology across mathematics curriculum 4-8. Utilization of all aspects of computer technology and software, calculators, and graphing calculators.

MGED 3460 Teaching Problem Solving in Middle Grades Mathematics

3-0-3

Problem solving as an overriding goal of mathematics instruction. Development of repertoire of strategies in pupils for solving non-routine problems. Techniques for promoting alternative solutions and methods of attack.

MGED 3510 Life Science for Middle Grades Education

3-0-3

Basic life science concepts necessary for middle grades science teacher, presented in context of middle grades curriculum. Includes appropriate activities and projects for reconceptualizing the middle level life science instruction.

MGED 3990 Development and Education of the Middle Grades Student Part 1

3-0-3

Prerequisites: BVED 2400 and admission to Teacher Education. Nature and needs of middle grades students and how cultural forces, family, community, and school, impact their development and education. Field Experience required.

MGED 4000 Development and Education of the Middle Grades Student Part 2

3-0-3

Prerequisites: Admission to the MGED professional program. Study of the curriculum needs of middle grades student. Emphasis on curriculum as it relates to the unique transitional needs of middle grades students. Areas addressed are curricular planning, construction, and materials selection. Part of professional program and all courses in Block A must be taken together.

MGED 4030 Humanities Methods for Middle Grades Education

3-0-3

Prerequisites: Admission to the MGED professional program. Designed to examine the teaching of humanities methods in middle grades. Emphasis on how to facilitate students' acquisition and application of reading skills and other communication/literacy skills, and social studies concepts/skills in present and future community. Established practices and innovations investigated. Part of professional program and all courses in Block A must be taken together.

MGED 4050 Science and Mathematics Methods for Middle Grades Education

3-0-3

Prerequisites: Admission to the MGED professional program. Designed to examine the teaching of science and mathematics methods in middle grades. Emphasis on middle level students acquisition and application of science and mathematics content, process, problem solving skills, and content standards. Part of professional program and all courses in Block A must be taken together.

MGED 4600 Practicum in Middle Grades Education

0-0-3

Prerequisites: Admission to teacher education and hired on a provisional certificate.

MGED 4620 Apprenticeship in Middle Grades Teaching

0-0-1

Prerequisites: Admission to the MGED professional program.

MGED 4790 Student Teaching in the Middle Grades

0-0-10

Prerequisites: Completion of all course work and a 2.5 GPA.

MGED 4800 Professional Practices Seminar

2-0-2

Prerequisites: Completion of all course work and a 2.5 GPA. **Corequisite:** MGED 4790. Reflection of educational practices and refinement of concepts emanating from student teaching experience

MGED 4900 Directed Study in Middle Grades Education

1-0-1 to 3-0-3

Prerequisites: Senior Standing and a 3.0 GPA. Opportunity for intensive individual study in student's field of specialization of an area peculiar to his or her needs.

MGNT: MANAGEMENT

MGNT 3250 Organizational Behavior And Management

3-0-3

Prerequisite: Completion of Area F of the Curriculum for Business Administration. Behavioral science fundamentals and management applications emphasizing individual and group behavior. Topics include perception, attitude, personality, motivation, leadership, group dynamics, interpersonal communication, job design, learning theory, decision making, conflict, power, organizational politics, organizational culture, and organizational theory, as well as management process concepts like planning and control.

MGNT 3300 Production And Operations Management

3-0-3

Prerequisite: BUSA 2100 or MATH 2620, and **Corequisite:** MGNT 3250. The basic concepts of production and operations management including manufacturing planning and control systems, quality control, inventory control, time standards, facility location, and plant layout. Changes in the global competitive environment and their effects on manufacturing methodologies are integrated throughout the course.

MGNT 3910 Small Business Management/ Entrepreneurship

3-0-3

Corequisite: MGNT 3250. Analysis of simulated and actual business opportunities. The relationship of the entrepreneur to the formation and growth of the enterprise is studied in its economic and social environment.

MGNT 3920 Family Business Management

3-0-3

Corequisite: MGNT 3250. Management issues and techniques for the family-owned and/or managed enterprise. Topics include stages of development of family business, planning for transitions in ownership and management, human relations issues, conflict resolution, and opportunity identification and exploitation.

MGNT 4000 Human Resource Management

3-0-3

Corequisite: MGNT 3250. The recruitment, selection, training, development, utilization and maintenance of human resources by organizations. Topics also include labor-management relations and the legal environment.

MGNT 4010 Labor Relations

3-0-3

Prerequisite: MGNT 4000 or consent of instructor. The legal environment and historic development of labor unions as well as the processes of collective bargaining, contract negotiation, grievance handling, mediation, and arbitration. State and Federal legislation affecting labor-management relations and employee benefit plans are studied in depth.

MGNT 4020 Compensation Management

3-0-3

Prerequisite: MGNT 4000. Compensation fundamentals, practices, and problems. Topics include job analysis, wage and salary level determinants, wage and salary structures, job evaluation, merit and incentive systems, fringe benefits, and control.

MGNT 4200 Management Skills Development

3-0-3

Corequisite: MGNT 3250. Practical application of management as a set of skills. Through

experiential learning, case analysis, readings, and interaction with practitioners, students apply concepts of organizational behavior and management theory to actual business situations. Skills are developed in the following areas: Motivation, communication, conflict management, group dynamics, power and politics, job design, decision making, leadership, organizational design, stress management, and social responsibility.

MGNT 4630 Organizational Analysis and Design
3-0-3

Prerequisite: MGNT 3250. Application of organization theory to managerial decisions. Students learn how to describe, analyze, design, and improve organizations through matching their structures, systems, cultures, and leadership to strategies and environments. Concepts are applied through case studies and current business events.

MGNT 4640 Management Science
3-0-3

Prerequisites: BUSA 2100 or MATH 2620, and MGNT 3250. Applications of quantitative techniques to managerial decisions. Topics include linear programming, decision theory, applications of probability, forecasting, transportation problems, and network analysis. Computers are used in problem solving.

MGNT 4650 Organizational Change and Development3-0-3

Corequisite: MGNT 3250. Application of behavioral science concepts to organizational change. Students work in groups to develop interpersonal and problem solving skills. Organizational Development (OD) is aimed at improving organizational effectiveness by means of planned, systematic change interventions that allow individuals, groups, and organizations to develop their potential productivity and quality of work life.

MGNT 4700 Total Quality Management
3-0-3

Corequisite: MGNT 3250. Application of total quality management concepts in improving organizations. An introduction to why and how businesses use TQM, and TQM's prime goal: complete customer satisfaction at the lowest cost level. Topics also include the tools and procedures for continuously improving processes, the team approach for applying TQM, actions used to introduce and implement TQM, institutionalization of TQM in organizational processes, and the transfer of TQM skills and procedures to suppliers and customers.

MGNT 4800 International Management
3-0-3

Corequisite: MGNT 3250. The management of organizations in a global business environ-

ment. Topics include the effects of socio-cultural, economic, geographic, legal, political, and technological differences on management and organizational behavior including staffing, interpersonal communication, negotiation, leadership, and organizational effectiveness.

MGNT 4950 Directed Study in Management
1-0-1 to 3-0-3

Directed research, readings or project in management. The proper form must be submitted to the Dean of the College of Business Administration at least two weeks prior to the beginning of the semester. May be taken more than once for up to 3 hours if topics are different.

MGNT 4990 Special Topics in Management
1-0-1 to 3-0-3

Prerequisite: Consent of instructor and Department Head. Topics to be assigned. May be taken more than once for up to 3 hours if topics are different.

MKTG: MARKETING

MKTG 3050 Introduction to Marketing
3-0-3

Prerequisites: Non-Business Majors: ECON 1500 or ECON 2106; Business Majors: Completion of Area F for Business Administration. Basics of targeting products and services to satisfy customer needs through product, price, promotion, and distribution strategies. Marketing strategies are discussed within the context of prevailing political, social, ethical, economic, legal, competitive, and technological environments.

MKTG 3060 Professional Selling
3-0-3

Fundamentals of personal selling and the behavioral aspects of the persuasion process, including social, ethical, and legal responsibilities.

MKTG 4000 Principles of Promotion
3-0-3

Prerequisite: MKTG 3050. Organization, basic principles, economic, legal, and social aspects of promotion and testing promotional effectiveness.

MKTG 4020 Retailing
3-0-3

Prerequisite: MKTG 3050. Fundamentals and principles employed in the analysis and evaluation of the retail intermediary.

MKTG 4060 Sales Management
3-0-3

Prerequisite: MKTG 3050. Basic principles in recruiting, supervising, training, managing, motivating, evaluating, and compensating sales-

people and sales forces.

MKTG 4620 Buyer Behavior

3-0-3

Prerequisite: MKTG 3050. Motives, attitudes and expectations of consumers and purchasing agents that contribute to the understanding of the marketing process.

MKTG 4650 Marketing Research

3-0-3

Prerequisites: MKTG 3050, and BUSA 2100 or MATH 2620. Develops the scientific process of problem solving in a marketing context. Covers the concepts of problem definition, hypothesis testing, questionnaire development, research design, and interpretation of statistical findings.

MKTG 4670 Marketing Channels

3-0-3

Prerequisite: MKTG 3050. Study of the firm's distribution function. Covers channel design, strategy, and structure; channel participants and functions; channel management; and physical distribution and logistics systems.

MKTG 4680 International Marketing

3-0-3

Prerequisite: MKTG 3050. Study of marketing and international business using the framework of the world market place. Aspects of marketing which are unique to international business are emphasized.

MKTG 4740 Industrial Marketing

3-0-3

Prerequisite: MKTG 3050. Examination of the complex process involving buyers and sellers of industrial products and services. Topics include market and product planning, pricing, financing, managing the sales force, and legal aspects of industrial marketing.

MKTG 4750 Marketing of Services

3-0-3

Prerequisite: MKTG 3050. Highlights the differences between product marketing and the marketing of services. Attention is focused on the marketing function of not-for-profit organizations such as hospitals, educational institutions, police departments and churches.

MKTG 4760 Direct Marketing

3-0-3

Prerequisites: MKTG 3050. A study of the principles and techniques used to reach the purchasing decision maker at the place of the decision. Topics include direct mail, telemarketing, the use of 800 numbers, list management, and measurement of outcomes.

MKTG 4770 Internet Marketing

3-0-3

Prerequisites: MKTG 3050. This course introduces students to the world of the internet

marketing. Students learn to create their own web pages, develop web marketing skills, and evaluate the four P's of marketing (product, place, promotion, and price) strategies in the context of web marketing.

MKTG 4800 Cases in Marketing

3-0-3

Prerequisites: MKTG 4620 and MKTG 4650 and senior standing. An integrative study of marketing based on the case method. Students will examine marketing situations in the context of the entire business and its environment in order to develop activities to support corporate goals.

MKTG 4810 Contemporary Marketing

3-0-3

Prerequisite: MKTG 3050. Study of a specific, current topic or topics in the field of Marketing. May be repeated once for additional credit with prior approval of advisor and instructor if different topics are covered in the subsequent course.

MKTG 4900 Strategic Planning

3-0-3

Prerequisites: MKTG 4620, MKTG 4650 and senior standing. Study of the integration and coordination of product development, promotional strategy, physical distribution, and pricing in planning, implementing and controlling marketing operations. The creation of a marketing plan is stressed.

MKTG 4990 Directed Study in Marketing

3-0-3

Prerequisite: Senior standing and consent of instructor. Special projects undertaken by marketing majors. Proper form must be submitted to the Dean of the College of Business Administration at least two weeks before the beginning of the semester.

MIDDLE GRADES and SECONDARY EDUCATION

MSED 2000 Survey of Educational Concepts

3-0-3

An introduction to the concepts, practices, and issues of the teaching profession and the public schools.

MUE: MUSIC EDUCATION

MUE 2000 Introduction to Music Education

1-0-1

An introduction to issues, practices, and philosophy of teaching music as a profession.

MUE 2700 Brass Methods

0-2-1

Techniques of performance and methods of teach-

ing brass instruments. Music or Music Education majors only.

MUE 2710 Woodwind Methods
0-2-1

Techniques of performance and methods of teaching woodwind instruments. Music or Music Education majors only.

MUE 2730 Percussion and Woodwind Methods
0-2-1

Techniques of performance and methods of teaching percussion and woodwind instruments. Music or Music Education majors only.

MUE 3100 Arranging for School Band, Chorus, and Orchestra

1-0-1

Prerequisites: MUSC 2012 and MUSC 2052. Basic techniques of scoring for school choral and instrumental groups.

MUE 3600 General Music Curriculum
3-0-3

Admission to Teacher Education in Music required. Materials and methods of general music instruction in schools, K-12, including historical and philosophical foundations of general music education. Instruction in basic pedagogy of all classroom instruments: fretted, recorders, percussion, and barred. Instruction in technology included.

MUE 3640 Music for Teachers
3-0-3

Prerequisite: junior standing. Music materials and methods for the elementary classroom teacher. Not open to Music Majors.

MUE 3720 String Methods
0-2-1

Techniques of performance and methods of teaching string instruments. Music or Music Education majors only.

MUE 3730 Percussion Methods
0-2-1

Techniques of performance and methods of teaching percussion instruments in heterogenous groups. Music or Music Education majors only.

MUE 3740 Rhythm Section Methods
0-2-1

Techniques of performance and methods of teaching piano, guitar, string bass, drums, vibes, and other instruments typically used in the jazz rhythm section. Music or Music Education majors only.

MUE 3750 Vocal Methods
0-2-1

Techniques of performance and methods of teaching vocal music. Music or Music Education majors only.

MUE 3780 String and Brass Methods
0-2-1

Techniques of performance and methods of teaching brass and string instruments. Music or Music Education majors only.

MUE 4600 Choral Curriculum and Techniques
2-1-2

Prerequisites: MUSC 3650 and MUE 3600. Materials and techniques of choral music instruction and curriculum in schools, including rehearsal techniques, vocal development, repertoire, administration, instructional approaches, and assessment strategies. Music or Music Education majors only.

MUE 4610 Instrumental Curriculum and Techniques

2-1-2

Prerequisites: MUSC 3650 and MUE 3600. Materials and techniques of instrumental music instruction and curriculum in schools, including rehearsal techniques, repertoire, administration, instructional approaches, and assessment strategies. Music or Music Education majors only.

MUE 4700 Marching Band Techniques
2-0-2

Marching fundamentals, drill routines, arranging, organizing, and producing a High school marching band. Includes the use computer-assisted design techniques.

MUE 4760 Jazz Pedagogy
2-0-2

The study of jazz methods and jazz materials, including lab teaching experience.

MUE 4790 Student Teaching in Music
0-0-10

Prerequisites: Completion of coursework, consent of department, and admission to the Teacher Education program at Valdosta State University. Co-requisite MUE 4800.

MUE 4800 Seminar for Student Teaching
2-0-2

Prerequisites: Student Teaching registration. Co-requisite MUE 4790. Discussion of issues and problems related to student teaching.

MUSC: MUSIC

MUSC 1011 Music Theory I
3-0-3

The first course of a four-semester sequence. An introductory study of the harmonic, structural, melodic, and rhythmic elements of tonal music through composition and analysis.

MUSC 1012 Music Theory II
3-0-3

Prerequisite: MUS 1011. The second course

of a four-semester sequence. An introductory study of the harmonic, structural, melodic, and rhythmic elements of tonal music through composition and analysis.

MUSC 1016 An Introduction to Computer Applications in Music

0-1-1

This course is designed as an introduction to the use of computer applications in music.

MUSC 1051 Music Theory Lab I

0-1-1

The first course of a four-semester sequence. A laboratory course for MUS 1010 designed to develop skills in sightsinging, rhythmic reading, and in melodic, harmonic, and rhythmic dictation and identification.

MUSC 1052 Music Theory Lab II

0-1-1

Prerequisite: MUS 1051. The second course of a four-semester sequence. A Laboratory course for MUS 1020 designed to develop skills in sightsinging, rhythmic reading, and in melodic, harmonic, and rhythmic dictation and identification.

MUSC 1100 Music Appreciation

3-0-3

Introduction to music history and literature.

MUSC 1101 Diction For Singers I

1-0-1

The first course of a two-semester sequence. Study of pronunciation and phonetics of Italian, Latin, Spanish, French, and English as applied to solo and ensemble singing.

MUSC 1102 Diction for Singers II

1-0-1

The second course of a two-semester sequence. Study of pronunciation and phonetics of English and German.

MUSC 1110 Music Appreciation: World Music

3-0-3

A survey of music from world culture. Prior musical training is not required.

MUSC 1120 Music Appreciation: American Popular Music

3-0-3

Survey of a broad range of American Popular music from 1840 to the present. Characteristic aspects of rhythm, melody, instrumentation, and other technical factors are studied. The relationship with and influence of other musical traditions and cultures is examined.

MUSC 1131 Functional Piano I

1-0-1

The first course of a two-semester sequence. Designed to develop basic keyboard skills essential to music study. Music or Music Education Majors only.

MUSC 1132 Functional Piano II

1-0-1

Prerequisite: MUSC 1131. The second course of a two course sequence. Designed to develop basic keyboard skills essential to music study. Music or Music Education Majors only or permission of instructor.

MUSC 1171 Theoretical Foundations of Jazz Improvisation I

0-2-1

Prerequisite: Permission of the instructor. The first course of a four-semester sequence. Designed to develop skills in jazz improvisation.

MUSC 1172 Theoretical Foundations of Jazz Improvisation II

0-2-1

Prerequisite: Permission of the instructor. The second course of a four-semester sequence. Designed to develop skills in jazz improvisation.

MUSC 2011 Music Theory III

3-0-3

Prerequisite: MUSC 1012. The third course of a four-semester sequence. An advanced study of the harmonic, structural, melodic, and rhythmic elements of tonal music through composition and analysis.

MUSC 2012 Music Theory IV

3-0-3

Prerequisite: MUSC 2011. The fourth course of a four-semester sequence. An advanced study of the harmonic, structural, melodic, and rhythmic elements of tonal music through composition and analysis.

MUSC 2051 Music Theory Lab III

0-1-1

Prerequisite: MUSC 1052. The third course in a four-semester sequence. A laboratory course for MUSC 2010 designed to develop skills in sightsinging, rhythmic reading, and in melodic, harmonic, and rhythmic dictation and identification.

MUSC 2052 Music Theory Lab IV

0-1-1

Prerequisite: MUSC 2051. The fourth course in a four-semester sequence. A laboratory course for MUSC 2020 designed to develop skills in sightsinging, rhythmic reading, and in melodic, harmonic, and rhythmic dictation and identification.

MUSC 2171 Theoretical Foundations of Jazz Improvisation III

0-2-1

Prerequisite: MUSC 1172 or permission of the instructor. The third course of a four-semester sequence. Designed to develop advanced skills in jazz improvisation.

MUSC 2172 Theoretical Foundations of Jazz Improvisation IV

0-2-1

Prerequisite: MUSC 2171 or permission of the instructor. The fourth course of a four-semester sequence. Designed to develop advanced skills in jazz improvisation.

MUSC 3010 Music Analysis

2-0-2

Prerequisites: MUSC 2012 and 2052 or permission of the instructor. The application of analytic techniques to the study of musical scores.

MUSC 3110 Jazz Arranging

2-0-2

Prerequisites: MUSC 2012 and 1171. Study of basic techniques of scoring for vocal and instrumental ensembles of jazz-oriented styles.

MUSC 3150 Counterpoint

3-0-3

Prerequisite: MUSC 2012. Analysis and writing of modal and tonal counterpoint.

MUSC 3160 Intermediate Computer Applications in Music

2-0-2

Prerequisites: MUSC 2012, MUSC 1016 or permission of the instructor. An introduction to computer application programs that involve the use of MIDI (Musical Instrument Digital Interface).

MUSC 3170 Music Composition

1-0-1

Prerequisites: MUSC 2012 and/or permission of the instructor. Foundations in music composition employing both traditional and contemporary techniques. May be repeated for credit.

MUSC 3230 Accompanying

1-0-1

Study and performance of piano accompaniments in vocal and instrumental literature with an emphasis on techniques and style. May be repeated for credit.

MUSC 3430 History of Jazz

2-0-2

A comprehensive study of the development of jazz and ragtime from its origins through present day. Emphasis on evaluation of stylistic trends and techniques. Open to both music and non-music majors.

MUSC 3500 Band Literature

1-0-1

Prerequisite: MUSC 1100. Study of styles and eras of band literature appropriate for a variety of ensembles.

MUSC 3510 Choral Literature

1-0-1

Prerequisite: MUSC 1100. Study of styles and eras of choral literature appropriate for a variety of ensembles.

MUSC 3520 Symphonic Literature

1-0-1

Prerequisite: MUSC 1100. Study of styles and eras of symphonic literature appropriate for a variety of ensembles.

MUSC 3530 Woodwind Ensemble Literature

1-0-1

Prerequisite: MUSC 1100. Study of styles and eras of woodwind ensemble literature appropriate for a variety of ensembles.

MUSC 3540 Solo Woodwind Literature

1-0-1

Prerequisite: MUSC 1100. Study of styles and eras of solo woodwind literature.

MUSC 3650 Conducting

2-0-2

Prerequisites: MUSC 2012 and 2052 or permission of the instructor. Techniques of choral and instrumental conducting.

MUSC 3810 Chamber Singers

0-2-1

A select ensemble emphasizing choral and vocal chamber music repertoire. Participation by audition only.

MUSC 3820 Concert Choir

0-3-1

Principal ensemble for voice principals and other principals according to assignment by the Head of the Department of Music. Open to any VSU student by permission of the instructor.

MUSC 3830 The Spotlighters

0-2-1

A select choral ensemble emphasizing popular, jazz, blues, and show tune repertoire. Selection by audition only.

MUSC 3840 Opera and Musical Theatre

0-2-1

Music drama production and ensemble work. Preparation of scenes and full-scale productions.

MUSC 3850 Concert Band

0-3-1

Principal ensemble for wind and percussion principals and other principals according to assignment by the Head of the Department of Music. Open to any VSU student by permission of the instructor.

MUSC 3860 Orchestra

0-3-1

Principal ensemble for orchestral string principals and majors and other principals according to assignment by the Head of the Department of Music. Open to any VSU student by permission of the instructor.

MUSC 3870 Jazz Ensemble

0-3-1

Principal ensemble for jazz principals and majors and other principals according to assignment by the Head of the Department of Music. Selection by audition only.

MUSC 3880 Marching Band**0-3-1**

Performs at all home football games and various exhibitions. Auditions required for danceline, color guard, and majorette. Fall semester only.

MUSC 3890 Instrumental Ensembles**0-2-1**

Study and performance of repertoire for a variety of combinations of instruments. Open by permission of instructor.

MUSC 3960 Opera Seminar**1-0-1**

Study and analysis of scenes from opera and operetta. Course may be repeated for credit.

MUSC 4100 Form and Analysis**2-0-2**

Prerequisite: MUSC 2012. Harmonic and structural analysis of basic musical forms.

MUSC 4151 Keyboard Harmony I**0-1-1**

Prerequisites: MUSC 2012 and MUSC 2052. First course of a two semester sequence. Basic theory at the keyboard, score-reading, improvisation, figured bass realization.

MUSC 4152 Keyboard Harmony II**0-1-1**

Prerequisites: MUSC 2012 and MUSC 2052. Second course of a two semester sequence. Basic theory at the keyboard, score-reading, improvisation, figured bass realization.

MUSC 4230 Church Service Playing**2-0-2**

Training in service playing, emphasizing liturgies, hymn playing, improvisation, and adaptation of accompaniments to the organ.

MUSC 4451 History of Music to 1750**3-0-3**

Prerequisite: MUSC 1100 or permission of the instructor. History of music through the Baroque Era.

MUSC 4452 History of Music since 1750**3-0-3**

Prerequisite: MUSC 1100 or permission of the instructor. History of music from the classical era to the present.

MUSC 4480 Folk and Ethnic Music in the United States**2-0-2**

An introduction to the social, cultural, and stylistic features of selected folk and ethnic music in the United States, focusing on historical development and contemporary significance. Open to students of all majors with Junior or above standing.

MUSC 4511 Song Literature I**3-0-3**

First course of a two-semester sequence. A survey of art song literature from the Renaissance through the German Lieder School spanning the nineteenth century and the first half of the twen-

tieth century.

MUSC 4512 Song Literature II**3-0-3**

Second course of a two-semester sequence. A survey courses in art song literature from the nineteenth and twentieth-century French, Spanish, English, and American song schools.

MUSC 4541 Piano Literature I**1-0-1**

Survey courses in piano literature. The keyboard instruments and literature of the Renaissance, Baroque, and Classical eras.

MUSC 4542 Piano Literature II**1-0-1**

Survey courses in piano literature. The piano literature of the Romantic period and representative repertoire of the last one hundred years.

MUSC 4571 Organ Literature I**1-0-1**

The study of organ literature and organ design from the origins of the instrument to the time of J.S. Bach.

MUSC 4572 Organ Literature II**1-0-1**

The study of organ literature and organ design from the time of J. S. Bach to the present.

MUSC 4600 Special Topics in Music**1-3-0-1-3**

An elective music course for the study of special topics. May be repeated for credit if different topics are studied.

MUSC 4710 Organ Pedagogy**1-0-1**

Study of methods and materials or organ teaching with lab teaching experience. Required of all organ majors and organ principals.

MUSC 4721 Piano Pedagogy I**1-0-1**

Study of various contemporary teaching methods and materials, with practice teaching under faculty supervision.

MUSC 4722 Piano Pedagogy II**1-0-1**

Study of collections of elementary literature including J.S. Bach's notebooks, Schumann's Kinderszenen, and Bartok's Mikrokosmos; practice teaching.

MUSC 4750 Vocal Pedagogy**1-0-1**

Fundamental principles of teaching techniques essential to private studio and class voice work.

MUSC 4790 Church Music Internship**3-0-3**

In-service experience for the organ major, working regularly in a church under the supervision of its music director.

MUSC 4850 Wind Ensemble**0-3-1**

Principle ensemble for all music majors whose

principal performing medium in wind or percussion as assigned by Head of Department of Music. Open to any VSU student by permission of instructor.

MUSC 4870 Jazz Combo

0-2-1

Study and performance of a wide variety of jazz styles for 5-8 member ensemble. Participation by audition only.

MUSC 4880 University Community Band

0-3-1

Study and performance of standard band literature. Open to VSU students and members of the community.

MUSC 4890 Vocal Chamber Ensemble

0-1-1

Ensemble performance in musicals, opera, and other such events in conjunction with the Departments of music and theater.

MUSC 4900 Directed Study in Music

0-1-3

Directed reading and independent study on an approved project. By permission of Department Head and instructor.

NURS: Nursing

NURS 3060 Special Topics in Nursing

1-0-1 to 5-0-5

Prerequisite: Permission of faculty. An intensive study of an aspect of nursing care.

NURS 3100 Nutritional Therapy

3-0-3

Prerequisites: Successful completion of Anatomy and Physiology. Nutritional assessment is used to explore the physiological responses to inadequate and excessive nutrients in culturally diverse clients throughout the lifespan. Emphasizes the concepts of nutritional support and dietary modification consistent with cultural milieu utilized during illness and health maintenance. Open to non-majors with permission of faculty.

NURS 3110 Gerontological Nursing

3-0-3

Focuses on the development aspects of aging and approaches that enhance successful aging. Provides an introduction to theories of aging. Examines personal philosophy and values/ethics related to aging and utilizing nursing process to promote health in the older adult. This course is open to nursing and non-nursing students as an elective.

NURS 3110 Basic Concepts of Holistic Nursing Care

3-6-6

Prerequisites: Successful completion of the

core and admission to the nursing major.

Serves as a foundation for utilization of basic concepts, skills, and techniques of nursing practice. Emphasizes health history and assessment, nursing problem solving, cognitive and psychomotor skills, and safety of client and health care provider.

NURS 3120 Community as Client

3-6-5

Prerequisites: Successful completion of the core. Focus is on the community as client. Establishes a foundation of the global organizational structure of community. Emphasizes promotion and maintenance of optimal health throughout the life cycle. Laboratory experiences provide the opportunity to practice health promotion in a variety of settings. Open to non-nursing majors with permission

NURS 3130 Self and Others

3-0-3

Prerequisites: Admission to the nursing major. Focuses on concepts related to communication and relationships in nursing. The growth and development of self for healthy professional behavior is emphasized as an essential component of therapeutic client and nursing interactions. Stress, adaptation, crisis, and resolution are introduced and related to health and illness.

NURS 3150 Principles of Baccalaureate Nursing Education

3-0-3

Establishes the conceptual foundations for professional nursing. Emphasis is placed on application of communication and the analysis of the historical, contemporary, and future perspectives of the profession. This course is open to registered nurses only.

NURS 3200 Pharmacology

3-0-3

Co-requisites: NURS 3211, NURS 3221. Focuses on the concepts of pharmacology, classification of drugs and the common actions, therapeutic benefits, side effects, and patient implications associated with each classification.

NURS 3200K Applied Pharmacology and Medication Administration

0-2-1

A laboratory course with emphasis on cognitive and psychomotor aspects of medication calculation and administration. Individual responses to medications and issues related to drug control and drug abuse are emphasized. Legal and ethical issues surrounding this nursing activity will be addressed. Must be taken concurrently with Pharmacology unless an R.N. student.

NURS 3211 Health Promotion in Adults

3-9-6

Prerequisites: NURS 3100, NURS 3110, NURS 3120, NURS 3130. **Pre- or co-requisite:** NURS 3200. Focuses on health promotion for culturally diverse clients and families experiencing various stages of health. Emphasis is on holistic nursing care of clients to promote and maintain health. Nursing management of the perioperative client will be addressed. Clinical experiences provide opportunities to practice health promotion of adults in a variety of settings.

NURS 3221 Health Promotion of Growing Families

3-6-6

Prerequisites: , NURS 3110, NURS 3120, NURS 3130. **Pre- or co-requisite:** NURS 3200. Focuses on health promotion behaviors for holistic development of growing families. Childbearing, childbirth, differentiation of care requirements from infancy through adolescence, common childhood health problems, growth and development as nursing concerns, and issues of family development are presented within a multi-cultural context. Clinical experiences focus on delivery of nursing care to promote holistic and healthy family growth and development within the community.

NURS 4010 Legal and Ethical Issues in Health Care

3-0-3

Introduces aspects of bioethics, organizational, legal and healthcare ethical issues with particular emphasis on aspects of law that serve as regulations and principals to govern ethical business practices in the healthcare industry.

NURS 4060 Advanced Health Assessment

3-2-4

Prerequisite: Licensure as a Registered Nurse or permission of faculty. Focuses on advanced comprehensive assessment skills utilized in a variety of clinical settings. Builds on basic and experiential knowledge of health assessment. Emphasis is placed on applying critical thinking and diagnostic reasoning skills in assessing, diagnosing, and monitoring the health status of adult clients and families. Clinical practicum will focus on the application of these advanced assessment skills. Note: This course or demonstrated competency in the content of this course is required for admission to the graduate program.

NURS 4070 Directed Study in Nursing

1-0-1 to 5-0-5

Prerequisite: Permission of faculty. Special study in an area of nursing of special interest to the student under the direction of selected fac-

ulty.

NURS 4090 Perioperative Nursing

3-0-3

Prerequisite: NURS 4112, NURS 4122Includes knowledge and skills for nursing care during the perioperative, intraoperative, and post operative period including home follow-up.

NURS 4090K Perioperative Nursing Lab

0-2-1

Corequisite: NURS 4090. Clinical Application of NURS 4900 content.

NURS 4100 Research in Nursing

3-0-3

Prerequisites: Successful completion of NURS 3200, NURS

3200k, NURS 3211, NURS 3221. Introduction to interpretation and evaluation of nursing research. Qualitative, quantitative and epidemiological research methods are considered as they apply to the practice of nursing. Technological networking and evaluation of the information obtained is encouraged.

NURS 4112 Health Restoration of Adults

3-6-6

Prerequisite: NURS 3211. Focuses on concepts of health restoration for culturally diverse clients and families experiencing alterations in health. Principles of rehabilitation will be addressed. Clinical experiences provide the opportunity to practice health restoration in a variety of settings.

NURS 4122 Health Restoration of Growing Families

3-6-6

Prerequisite: NURS 3221. Focuses on concepts of health restoration as applied to holistic development of growing families in communities. Women's health, families at risk, aberrations in growth related to the growing family are addressed. Clinical experiences focus on nursing interventions necessary to promote health restoration in growing families.

NURS 4210 Health Restoration of Holistic Self

3-6-6

Prerequisite: NURS 4112, NURS 4122. Focuses on concepts related to disconnectedness of body, mind, and spirit. Nursing interventions focus on a variety of therapeutic modalities to foster holism within individuals, families, and communities. Ethical, cultural, and legal issues are discussed. Clinical experiences provide the opportunity to practice health restoration within varied mental health settings.

NURS 4220 Integration of Nursing Modalities

0-6-3

Prerequisite: NURS 4122, NURS 4112, NURS 4100. Planned seminars, clinical laboratories, and directed study will be used to

demonstrate mastery of the curricular content. Provides the opportunity to integrate competent nursing into holistic care of selected client populations. Students will identify and address a clinical problem through review of research and development of nursing strategies.

NURS 4230 Nursing Leadership

3-6-5

Prerequisite: NURS 4100, NURS 4112, NURS 4122. Focuses on the leadership and management responsibilities of the novice professional nurse within structured and non-structured health care.

NURS 4250 Introduction to Nursing I Financial Management

3-0-3

A broad introduction to nursing financial concepts, issues, tools, and vocabulary. Topics include financial statement analysis, working capital management, budgeting, cost finding, and rate setting. Minimal accounting proficiency is expected.

NURS 4400K Nursing Informatics

2-2-3

Prerequisite: BVED 2400 or CS 1000. Analyzes concepts related to health care informatics and information technologies in health care. Provides students with opportunities to develop theoretical knowledge and enhance technology skills through laboratory application of didactic content.

PERS: Perspective Courses

The Core Curriculum requires two Perspective courses, each from a different area of the Perspectives offerings.

Area 1 - Perspectives on Ethics and Values

PERS 2110 Ethical Concepts in Technology

2-0-2

Examination of technological issues and decisions which involve ethical considerations to understand their impact on society, including the role of ethics in problem solving, safety and risk in design, and risk-benefit analysis, applied to global and regional issues.

PERS 2120 Ethics and the News Media

2-0-2

A study of ethical issues in the news media from various regions across the country and various nations with special emphasis on the pursuit of news (objectivity, conflict of interest, making or reporting news, investigative journalism), advertising, terrorism in the media, the reporter and

personal ethics, and freedom of the press.

PERS 2130 Bioethics

2-0-2

Investigations of key ethical issues confronting concerned citizens. Major areas covered include reproductive choices, decisions about death, the health care provider-patient relationship, human and animal experimentation, and public policy decisions.

PERS 2140 Human Rights

2-0-2

An examination of the evolving concept of human rights and efforts to promote human rights throughout the world. The development of a global human rights regime is examined, as is the human rights situation in different countries and regions of the world. Contrasting cultural and ideological views of human rights are discussed. The development and current status of human rights in the United States and south Georgia are examined.

PERS 2150 Ethical Issues in the Arts: Censorship in the United States

2-0-2

Review of case studies in areas of the Arts involving censorship and other ethical issues.

Area 2 - Perspectives on Tradition and Change

PERS 2210 Women's Voices

2-0-2

The changing tradition of women's writing from the Middle Ages to the contemporary works of Chicana and Southern women authors. The multiplicity of women's identities and experiences as viewed through world literature written by women. Authors may include but are not limited to: Christine De Pisan, Aphra Behn, Sor Juana Ines de la Cruz, Luisa Valenzuela, Sandra Cisneros, Gabrielle Roy, Maxine Hong Kingston, Fannie Flagg.

PERS 2220 Georgia, A Spanish Borderland

2-0-2

A study of Georgia's native American and Spanish heritage from A.D. 1000 to 1743. Beginning with prehistory, the course will focus on the impact of Spanish exploration and settlement, using both the disciplines of history and anthropology.

PERS 2230 Culture and Politics of the South

2-0-2

A focus on the distinctive sociology, anthropology, and politics of the southern region and its relationship to global and regional studies. Special emphasis is placed on developing an understanding of the influence that political culture has on human behavior. An appreciation of the difference and similarities in the scope and methods of the social science disciplines is fostered.

reporting news, investigative journalism), advertising, terrorism in the media, the reporter and personal ethics, and freedom of the press.

PERS 2130 Bioethics
2-0-2

Investigations of key ethical issues confronting concerned citizens. Major areas covered include reproductive choices, decisions about death, the health care provider-patient relationship, human and animal experimentation, and public policy decisions.

PERS 2140 Human Rights
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2-0-2

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Area 3 - Perspectives on Human Expression

PERS 2300 Stimulating Creative Behavior
1-2-2

A study of creative problem-solving, including an overview of selected models of creativity, the application of selected problem-solving strategies, the identification of regional and global exemplars of creative problem-solving, and the utility of technology for information acquisition and manipulation.

PERS 2310 Literature and Journalism
2-0-2

Explores the relationship between the practice of journalism and literature from several regions across the country and various nations over the past 150 years, addresses the relationship between "journalistic" and "literary" truth, journalistic and literary style, and parallels between the social role of the journalist and fiction writer.

**PERS 2313 Counter-Cultural Movements of the
Cold War ERA, 1945-1968**

2-0-2

An examination of the interrelationship between literature, music, and history during the first 23 years of the Cold War Era. Students will gain an understanding of how counter-cultural movements helped shape contemporary society.

**PERS 2314 Maps as Political and Cultural
Documents**

2-0-2

An examination of maps as documents that reflect the social and political agendas of the cultures that produce them. Through readings on the history and uses of cartography as well as through examination of historic and contemporary maps from cultures around the world, students will learn that maps must be read as texts with a cultural bias.

PERS 2320 Cultural Representation in the Press
2-0-2

An examination of the cultural diversity of international, national, and regional press systems. Emphasis will be placed upon the examination of key roles the press plays in the establishment and promotion of various cultural identities. Press history and communication theory are major components of the course.

PERS 2330 Women in the Visual Arts
2-0-2

A study of the global and regional artistic and cultural achievements by women from the prehistoric period to the late 20th century, in the context of social, political, economic, and historic issues.

PERS 2340 Female Heroes in Religion and Art**2-0-2**

Explores myths, legends, folklore and visual imagery representing female heroes in various religious traditions across cultures (global and regional) and across centuries. Themes explored include determining what constitutes a heroic religious female figure within a particular culture, artistic conventions that influence the representation of the female hero, and reading images in the visual arts as texts.

PERS 2350 Religion and Culture**2-0-2**

An interdisciplinary, multicultural course that presents an academic study of religion in the context of the social sciences and humanities. The course will explore why people are religious, how they are religious, how religion bonds together, but often leads to destructive behavior as well. Materials emphasizing human religiousness within global, national, and regional cultural settings are implemented as illustrations or case studies. Novels, movies, and visits to traditional religious ceremonies will be used as data in the course.

PERS 2360 Development of the French, English, and American Theaters**2-0-2**

A perspective on aspects of human expression through a chronological overview of theatrical arts in France, England, and the United States. Emphasis is given to origins, historical development, national characteristics, influences, and trends of the theatrical arts in these three countries. Works by southern playwrights and/or depictions of the South are included.

PERS 2370 American Film**2-0-2**

A study of the development of the American film industry; a review of its major eras of silent film, films of the Depression period—positive and negative, the years of World Wars, the 50's, 60's and beyond; a study of the technology of American film; and a review of avant garde movements. This course features a study of the cultural interrelationships between the southern region of the United States and the rest of the country.

PERS 2380 Arts Perspective**2-0-2**

A broad, interdisciplinary overview of the arts as communication, expression, and environment in both a southern and national cultural perspective. It includes emphasis areas from the departments of communication arts, music, and art. Students will be involved in a broad range of leaning activities to include direct experience, observation, research, and class presentations.

PERS 2381 Arts Perspective II**2-0-2**

The analysis, synthesis, and communication of the interrelationships among the arts and on the parallel skill development in creative expression, using one mode of artistic expression to stimulate creative response in another.

PERS 2391 Experiences in Communication Arts**2-0-2**

Provides a broad, interdisciplinary overview of public modes of oral, human expression. Course includes oratorical, theatrical, and electronic media experiences.

Area 4 - Perspectives on the Environment and Physical World**PERS 2410 History of Spaceflight****2-0-2**

A brief survey of the history of space technology from Leonardo da Vinci to the modern era, followed by an examination of the development of spaceflight from Sputnik to the Space Station, including the impact of the space program on the Southeastern region.

PERS 2420 Scientific Dimensions of Environmental Change**2-0-2**

An introduction to the scientific basis of some of the most important environmental issues facing modern society, global warming, stratospheric ozone depletion, water and air pollution, loss of biodiversity, the spread of infectious disease, or other important global and regional issues will be examined from the perspectives of biologists, chemists, and earth scientists.

PERS 2430 Nutrition**2-0-2**

An introduction to the interrelationships among nutrition, food, and the environment as they impact health status. The emphasis is on multiple factors that influence food intake and the sum total of nutritional processes resulting in optimal physiological functioning. The role and function of nutrients in health promotion and wellness throughout the life cycle will be discussed with a regional and global perspective.

PERS 2440 The Built Environment**2-0-2**

A study of significant world, national, and regional architectural achievements, from Stonehenge to American shopping malls, in the context of historical achievements, economic factors, and political events.

PERS 2450 The New Millennium**2-0-2**

Scientific, philosophic, and sociocultural causes,

effects, and implications of environmental degradation; discussion of future scenarios and plausible solutions to environmental problems. The first part is an overview of ecological systems, population processes, and the nature of biological diversity; categories of natural resources; summary of forms of environmental decay (e.g. pollution, acid rain, global warming, extinction) affecting the natural world and human health; and ethical and cultural perspectives on environmental problems and solutions. The second part is an in-depth analysis of a particular topic, offered in 5 modules: 1) causes and consequences of population growth, 2) issues in biodiversity and wilderness preservation, 3) pollution and global climate change, 4) issues in energy and materials production and consumption, 5) cultural views of nature, environmental ethics, and building a sustainable future.

PERS 2460 Science and Humanities

Exploring the World

2-0-2

Focus on the intersection between science and literature regarding the global and regional environment. An examination of scientific principles behind the natural regulation of the earth's atmosphere and consequences of an imbalance in those principles, coupled with reading important literary documents responsible for the general public's understanding of scientific processes in ecology.

PERS 2470 Reading the Earth

2-0-2

A study of the Earth from both the geological and humanistic perspectives. Students will learn how geologists "read rocks" to decipher the history of past landscapes, climate, and life, and apply these skills to explore the geological history of Georgia. For the humanistic perspective, literature and film will be used to focus on the Earth and our understanding of it.

PERS 2480 Infectious Diseases and History

2-0-2

Survey of the role of infectious diseases in shaping world and regional history. Diseases and other topics to be covered each semester will vary. Examples include plague, Hansen's disease (leprosy), smallpox, cholera, tuberculosis, typhus, yellow fever, influenza, AIDS, and biological warfare.

Area 5 - Perspectives on Race and Gender

PERS 2510 African American Art and Culture

2-0-2

A study of African American art, life, and culture from the late 18th century to the late 20th

century. The course will focus on the role of Africa and its impulses and traditions, the role of European influences, and national literary and artistic movements. Emphasis will be placed on the contributions of African American artists in the Southeastern region of the United States.

PERS 2520 Women and the Press

2-0-2

An examination of the historical, political, and social factors which have affected the participation, or lack thereof, of women in the mass media internationally, nationally, and regionally. Special emphasis will be placed on media's contribution to the creation of the various stereotypes of women in societies and to its effects on major women's movements.

PERS 2530 Gender, Justice, and the Family

2-0-2

An exploration of the nature of laws and their implications for men and women and children. Possible topics include: gender-based justice; justice and "family values"; legal theory and the politics of sexual equality. Cross-cultural comparisons and contrasts will be drawn between the domestic laws of other cultures and those of the southeast United States.

PERS 2540 The Myth of Southern Womanhood

2-0-2

An examination of the ideal Southern woman, as portrayed in regional myth, literature, and film. Students will also examine the myth from a broader perspective: how the Southern woman compares to other images of women throughout the world.

PERS 2550 Ethnicity and the Nation State

2-0-2

An examination of the relationship of ethnicity and cultural identity to the nation state. Among the topics explored and nationalism as a political force, the rights of the ethnic and cultural minorities, and contrasting views of citizenship and nationhood. Cases from different countries and regions of the world are examined, with special attention given to the issues of race, ethnicity, and citizenship in the American South.

PERS 2560 African-American Music and Culture

2-0-2

A study of African-American music, musicians, and culture from the late 18th century to the late 20th century.

Area 6 - Perspectives on Cross-Cultural Understanding and Expression

PERS 2610 Tradition and Identity

2-0-2

A study of the literary representation of selected

universal concepts underlying the traditions that shape individual and national identity within diverse cultures. Cross-cultural themes and metaphors such as the relationship between the individual and family, land, ritual, and society will be explored in works from different nations, with readings from such writers as Lorca, Yeats, Esquivel, Synge, Williams, LeGuin, and Mitchell. The course will feature readings and films, a presentation by a regional writer, and a field trip.

PERS 2615 Politics and Film

2-0-2

A study of regional and global political processes and institutions, policy issues, and political personalities, using documentaries and movies as the teaching medium. Techniques will include analysis of plot, theme, significant characters, and selected criticism.

PERS 2620 Literature and History of the Vietnam War

2-0-2

An examination of the involvement of the United States in Vietnam from 1945 to today. Through readings in history and literature, students will learn about major social, cultural, historical, and regional developments in these years. An understanding of Vietnam culture will also be a part of this course.

PERS 2630 Racism in Retreat

2-0-2

An interdisciplinary exploration of racial prejudice, bigotry, and hatred. Themes will include history of race relations in America (examined through regional and global perspectives), institutional racism, and the need for toleration and equality. This course will consist of an intensive off-campus retreat over two weekends in the term. Following an individual meeting with faculty, students will engage in selected readings and assignments and participate in discussions, exercises and activities, before, during, and after the retreat as they confront the faces of racism.

PERS 2640 Law and Justice Around the World

2-0-2

A cross-disciplinary course in which law and criminal justice in the United States are compared with major systems of law and justice in the world. The course gives extensive attention to the rule of law and particular attention to the influence of other systems of law on that of Georgia and the United States.

PERS 2650 Christianity and Islam

2-0-2

An exploration of the principal defining characteristics of two major world religions, Christianity and Islam. A brief historical overview is followed by discussion of the global proliferation of these traditions and their contributions to the cultures

in which they are established. Global and regional issues confronting each tradition in the present day are identified and discussed.

PERS 2660 Culture, Context, and Communication

2-0-2

Dimensions of culture and how these dimensions serve as barriers or bridges to communication and understanding. American values and cultural norms—especially those of the region and the South generally—as well as foreign perceptions of these values and norms, are used as a frame of reference in analyzing specific incidents of cultural misunderstanding and valuer conflicts. Particular emphasis is placed on contrasting American (and specifically Southern) culture with lesser known cultures of the non-Western world.

PERS 2670 Latin American Studies

2-0-2

An exploration of a variety of topics related to the study of Latin America and the Hispanic populations of the United States, including language, literature, geography, ethnicity, social structure, religion, music, and contemporary issues. United States and Latin American perspectives will be covered with specific attention given to the Hispanic community in the southeastern United States.

PERS 2680 Crossroads, Cross Cultures Exploring the Global Village

2-0-2

An introduction to selected cultures of the major world regions including the Americas, Western Europe, Africa, Asia, the Middle East, the Far East, and Indonesia. The cultural cluster areas covered will be: 1) language and communication, 2) social variables, 3) geographical variables, 4) cross cultural environment, and 5) current political systems. Students will also look at the regional culture of south Georgia and integrate knowledge of that culture within the international context, thereby increasing awareness of the diversity/similarity of communities within the global village.

PERS 2690 Multicultural America

2-0-2

An examination of issues raised by living in a multicultural society. Through discussions of films and readings, students will consider how different cultures have shaped the United States in the past and where such shapings might lead in the future.

Area 7 - Perspectives on the World of Work

PERS 2700 Communication Systems

2-0-2

The development and application of speech/artistic communication skills in both a southern and national cultural perspective that will affect the student's educational, religious, economic, social, and professional life in the 21st century.

PERS 2710 Exploring Success

2-0-2

An exploration of success writings in biographies, research publications, and the self-help literature. Areas of application include Business, Sports, Personal Development, and Interpersonal Relations.

PERS 2720 Techniques of Problem Solving

2-0-2

An introduction to problem solving methodology and techniques that pertain to everyday problems, both regional and global, in varied disciplines. Techniques include counting arguments, graphical methods, logical and analytical techniques such as contradiction, analogy, induction, generalization, specialization, exhaustion, and reformulation.

PERS 2730 Internet Technology

2-0-2

An introduction to networking concepts, the Internet, and the World Wide Web with regional and global applications. Students will work with FTP, telnet, email Usenet, listservs, and Internet-based electronic bulletin boards, search strategies, and web page construction.

PERS 2740 Women and Work

2-0-2

An exploration of the changing relationship between women's roles in the family and in the workforce, and the ways in which that relationship has been shaped by social and political forces over time. The course will trace historical trends in women's employment and will include an examination of the effects of economic globalization on women's employment, both in the southeast United States and around the world.

PHIL: PHILOSOPHY

PHIL 2010 Fundamentals of Philosophy

3-0-3

An introduction to the principal problems with which philosophy is concerned: methods of inquiry; principles of critical reasoning; analysis of values and value systems; appraisals and analyses of basic beliefs and attitudes. Emphasis is on the contribution of important movements and major philosophers and on the relevance of philosophy to religious, political, social, ethical, and/or scientific issues.

PHIL 2010H Honors Fundamentals of Philosophy

3-0-3

An introduction to the principal problems with which philosophy is concerned: methods of inquiry; principles of critical reasoning; analysis of values and value systems; appraisals and analyses of basic beliefs and attitudes, taught in an enriched, discussion-oriented environment. Emphasis is on the contribution of important movements and major philosophers and on the relevance of philosophy to religions, political, social, ethical, and/or scientific issues.

PHIL 2020 Principles of Logic and Argumentation

3-0-3

An introduction to the principles of logic and the nature of argumentation. Attention is given to language analysis, fallacies of reasoning, deductive and inductive procedures, subjective factors of reasoning and scientific method. Emphasis is on the practical application of basic principles to the analyses of ethical, political, and legal arguments and theories.

PHIL 2020H Honors Principles of Logic and Argumentation

3-0-3

An introduction to the principles of logic and the nature of argumentation, taught in a discussion-oriented environment emphasizing reasoned discourse. Attention is given to language analysis, fallacies of reasoning, deductive and inductive procedures, subjective factors of reasoning and scientific method. Emphasis is on the practical application of basic principles to the analyses of ethical, political, and legal arguments and theories.

PHIL 3060 History of Ancient Philosophy

3-0-3

Prerequisite: PHIL 2010 or PHIL 2010H or consent of the instructor. A historical survey of philosophy of the ancient period, including Greek, Roman and other traditions.

PHIL 3070 History of Medieval Philosophy

3-0-3

Prerequisite: PHIL 2010 or PHIL 2010H or consent of the instructor. A historical survey of philosophy of the medieval period.

PHIL 3080 History of Early Modern Philosophy

3-0-3

Prerequisite: PHIL 2010 or PHIL 2010H or consent of the instructor. A historical survey of philosophy of the early modern period, ranging from the 16th to the 18th centuries.

PHIL 3090 History of Late Modern Philosophy

3-0-3

Prerequisite: PHIL-2010 or PHIL 2010H or consent of the instructor. A historical survey

of philosophy of the late modern period, ranging from the 19th to the 20th centuries.

PHIL 3100 Ethics and Health Care
3-0-3

A study of ethical issues in health care delivery, with special emphasis on abortion, euthanasia, paternalism and autonomy, confidentiality, medical experimentation and informed consent, allocation of scarce resources, and the right to health care.

PHIL 3110 Aesthetics
3-0-3

A study of the nature of art and theories of value.

PHIL 3120 Ethical Theory
3-0-3

An introduction to ethical theory, with special emphasis on survey of classical theorists and on the study of theoretical debates in normative ethics.

PHIL 3130 Social and Political Philosophy
3-0-3

An introduction to social theory and practice, with special emphasis on survey of classical theories and the study of practical policy issues.

PHIL 3140 Ethics and Law
3-0-3

A study of ethical issues in law and society, with special emphasis on the nature of law and legal reasoning, of responsibility and punishment, constitutional adjudication, procedural justice, the limits of liberty, and civil disobedience.

PHIL 3150 Ethics and Business
3-0-3

A study of ethical issues in business and society, with special emphasis on corporate responsibility, regulation of business, and the protection of workers, consumers and the environment.

PHIL 3160 Ethics and Media
3-0-3

A study of ethical issues in the media, with special emphasis on pursuit of news, advertising, media lobbying, terrorism and the media, the reporter and personal ethics, freedom of the press, and ethics and the Internet.

PHIL 3170 Ethics and Sport
3-0-3

A study of ethical issues in sport and society, with special emphasis on issues such as contest and competition, commercialization of sport, cheating, drug use, violence, gender and racial discrimination.

PHIL 3180 Ethics and the Environment
3-0-3

A study of ethical issues in our interaction with the environment, with special emphasis on the defining of an environmental ethic and on specific issues such as restrictions on land use, the use of cost-benefit analysis, and the protection of endangered species and habitats.

PHIL 3190 Ethics and the Social Sciences
3-0-3

A study of ethical issues in the social sciences, with special emphasis on issues such as human and animal experimentation, counseling, behavior control, punishment, psychological and sociological determination, and gender and racial discrimination.

PHIL 3200 Philosophy of Science
3-0-3

A study of philosophical problems and issues in science, including theories of explanation, scientific method, implications of science practice on society.

PHIL 3210 Ethics and Technology
3-0-3

A study of ethical issues in technology and society, with emphasis on developing a philosophy of technology and on issues such as automation, artificial intelligence, nuclear technologies, and the impact of new technologies on existing social structures.

PHIL 3220 Cosmology
3-0-3

Also offered as ASTR 3220. Prerequisite: ASTR 1020K and PHIL 2010 or PHIL 2010H or consent of the instructor. A scientific and philosophical study of our perception of the universe, including the world views of Ptolemy, Copernicus, and Einstein.

PHIL 3230 Philosophy of Mind
3-0-3

A study and analysis of main issues in philosophical psychology and cognitive science, including the nature of the mental, models of thought and rationality, the role of emotions, the problem of free will, and virtual reality.

PHIL 3300 Philosophy of Religion
3-0-3

Also offered as REL 3300. The study of basic problems of religious belief and critical analysis of proposed solutions to these problems.

PHIL 3310 World Religions
3-0-3

Also offered as REL 3310. A study of World Religions which situates the major religious traditions in their historical and cultural contexts. In a quest to identify both the rich diversity among these traditions and their commonalities, the Great Tradition of sacred texts and doctrines and the Little Traditions as it pertains to ritual and praxis are explored.

PHIL 3390 Concepts of God
3-0-3

Also offered as REL 3390. An examination of a range of differing interpretations of the concept "God", undertaken primarily from the standpoint of philosophical inquiry regarding a predominantly religious theme.

PHIL 3400 Existentialism

3-0-3

Also offered as REL 3400. The study of some of the principal existentialist thinkers such as Sartre, Heidegger, Buber, and Jaspers.

PHIL 3410 Philosophy of Human Nature

3-0-3

Also offered as REL 3410. An introduction to some major concepts of human nature that have influenced Western thought from the time of early Judaism, Plato, and Early Christianity. This course includes the contributions of later political theorists, scientists, social scientists, philosophers and theologians.

PHIL 3430 American Philosophy

3-0-3

A study of American philosophical thought.

PHIL 4120 Ethics and Public Policy

3-0-3

A study of ethical issues involved in public policy, with special emphasis on issues such as affirmative action, abortion, euthanasia, capital punishment, free speech and privacy.

PHIL 4220 Ethics and Public Administration

3-0-3

A study of ethical issues in public administration, with special emphasis on developing analytical skills in ethical decision-making in the public sector, highlighting the role of ethics and professional responsibility in public service, and identifying situations involving professional malfeasance such as conflict of interest.

PHIL 4800 Special Topics in Philosophy

1-0-1 to 3-0-3

A study of selected topics in philosophy.

PHIL 4810 Directed Study in Philosophy

1-0-1 to 3-0-3

An individual study of a special area of philosophy under supervision of the instructor.

PHIL 4900 Special Topics in Ethics

1-0-1 to 3-0-3

A study of selected topics in theoretical and applied ethics.

PHIL 4910 Directed Study in Ethics

1-0-1 to 3-0-3

An individual study of a special area of ethics under supervision of instructor.

PHIL 4920 Metaphilosophy

3-0-3

Prerequisite: Senior Philosophy Major. A Capstone course for senior philosophy majors, which includes individual research projects on selected themes, presented by students to their peers and to the philosophy faculty, who are participants in the course. World Wide Web Internet technology is included in course research and presentation.

PHSC: PHYSICAL SCIENCE

PHSC 1100 The Universe of Energy

3-0-3

Prerequisite: MATH 1111 with a grade of C or better, or consent of the instructor.

A survey of the physical sciences focused upon the theme of energy. The concept of energy as a physical quantity is developed, and implications of the Law of Conservation of Energy are explored. Issues related to the utilization of energy in an industrial society are discussed, and examples of geological, meteorological, astrophysical, and chemical processes which involve energy are presented.

PHSC 3010 Experimental Physical Science

2-4-4

Prerequisite: MATH 1111 or equivalent. This course covers the basic principles of physical science, and how apparatus can be built from commonly available materials in order to demonstrate these principles.

PHSC 3050 Observational Astronomy

2-4-4

Prerequisite: PHSC 1100, and GEOL 3020 or ASTR 1020K, or the consent of the instructor. A study of the observation of celestial objects visible to the unaided eye, with astronomical photography, the position and motion of objects in the sky, locating celestial objects with the telescope and the use of star charts. The course consists of about 25 hours of lecture and 50 hours of laboratory work.

PHYS: PHYSICS

PHYS 1111K - 1112K Introductory Physics I, II

3-3-4 each

Pre or corequisite for PHYS 1111K: MATH 1113. Prerequisite for PHYS 1112K: PHYS 1111 with a grade of C or better. An introductory course which will include material from mechanics, thermodynamics, and waves in PHYS 1111K, and electromagnetism, optics, and modern physics in PHYS 1112K. Elementary algebra and trigonometry will be used. Three lecture hours and one two-hour laboratory per week and one-hour recitation session per week.

PHYS 2010 Tools of Physics

0-2-1

An introduction to research techniques for the incoming Physics major. Includes laboratory safety, research methods, exploration of resources (library and Internet), and an outline of the discipline.

PHYS 2211K - 2212K Principles of Physics I, II
3-3-4 each

Pre or corequisite for PHYS 2211K: MATH 2261. Prerequisite for PHYS 2212K: PHYS 2211 with a grade of C or better. An introductory course which will include material from mechanics, thermodynamics, and waves in PHYS 2211K, and electromagnetism, optics, and modern physics in PHYS 2212K. Elementary differential and integral calculus will be used in PHYS 2211 and PHYS 2212K. Three lecture hours and one two-hour laboratory, and one-hour recitation session per week.

PHYS 3040 Electronics
2-4-4

Prerequisite: PHYS 2212K. A lecture-laboratory study of basic electrical circuits and techniques, including extensive use of the oscilloscope. Both continuous wave and pulse phenomena are treated.

PHYS 3100 Optics
2-2-3

Prerequisites: PHYS 2212K, MATH 2263, MATH 3340. An intermediate level course with emphasis on physical optics. Topics include interference, polarization, dispersion, absorption, resonance and quantum effects. The electromagnetic nature of light is emphasized.

PHYS 3810 Mathematical Methods of Physics
3-0-3

Prerequisites: PHYS 2212K and MATH 2263. Special topics in mathematics as related to advanced study in physics. Topics include vector analysis, differential equations, orthogonal functions, eigenvalue problems, matrix methods, and complex variables.

PHYS 3820 Computational Physics
3-0-3

Prerequisites: PHYS 2212K and MATH 2263. Topics include formulation of equations describing physical systems and the use of computers to solve them, computer simulations of physical systems, the use of computers to acquire and analyze data, and graphical methods of displaying data.

PHYS 4040 Experimental Physics
2-4-4

Prerequisite: PHYS 2212K. A lecture-laboratory course devoted to techniques of research in experimental physics. Topics include treatment of data, vacuum techniques, magnetic devices, preparation and manipulation of beams of particles, and radioactivity. A number of modern physics experiments are studied and performed.

PHYS 4111-4112 Theoretical Mechanics I, II
3-0-3 each

Prerequisite: MATH 2263 and PHYS 2211K. Topics include Newtonian mechanics, conserva-

tion laws, Lagrange's equations, and relativity.

PHYS 4211-4212 Electromagnetism I, II
3-0-3 each

Prerequisite for PHYS 4211: PHYS 2212K, MATH 2263. Prerequisite for PHYS 4212: PHYS 4211. Topics include electrostatics, magnetostatics, time varying electric and magnetic fields, Maxwell's equations, and propagation of electromagnetic waves.

PHYS 4310 Statistical Physics
3-0-3

Prerequisite: MATH 2263, PHYS 2211K. A study of kinetic theory and statistical mechanics with a brief treatment of classical thermodynamics.

PHYS 4411-4412 Modern Physics, I, II
3-0-3 each

Co-requisite for PHYS 4411: PHYS 4111; Prerequisite for PHYS 4412: PHYS 4411. An introduction to twentieth-century physics with the emphasis on quantum mechanics and its applications to atomic and nuclear structure, and to solid state physics. Both wave and matrix formalisms are developed, along with their experimental implications.

PHYS 4501-4502 Capstone Seminar I, II
1-0-1, 2-0-2

Prerequisite: Senior standing. A study of current developments in the fields of physics. Written and oral presentations will be required of all students.

PHYS 4800 Internship in Physics
0-6-3 to 0-12-6

Active participation in research in physics or in a field of science closely allied with physics, such as biophysics. A daily log of activities, a report on the work done, and a research paper relating the work done to the field of physics are required.

PHYS 4900 Special Topics in Physics
1-0-1 to 4-4-6

Prerequisite: Consent of advisor and instructor, and at least junior standing. Topics to be assigned by instructor; may be taken more than once if topics are different, up to a total of 6 credit hours.

PHYS 4950 Directed Study in Physics
1-0-1 to 4-4-6

Prerequisite: At least Junior standing; permission of advisor, instructor, and department head. Study in area or subject not normally found in established courses offered by the department; may also allow student to explore in more detail and/or depth an area or subject covered by the department in physics. Up to a maximum of 12 credit hours.

POLS: POLITICAL SCIENCE

POLS 1101 American Government

3-0-3

An examination of the fundamental institutions and political processes of the American system of government. Students are also given an overview of Georgia's Constitution, state politics, and state government institutions. **POLS 1101** satisfies legislative requirements for the study of U.S. and Georgia Constitutions.

POLS 1101H Honors American Government

3-0-3

A survey course to provide honors students with an understanding of the institutions and political processes of the American system of government, taught in an enriched environment. Students are also given an overview of Georgia's Constitution, state politics, and state government institutions. **POLS 1101H** satisfies legislative requirements for the study of U.S. and Georgia Constitutions.

POLS 2101 Introduction To Political Science

3-0-3

An introduction to Political Science as a field of inquiry. Surveys the subfields of the discipline of Political Science, including American, comparative, and international politics; political theory, public law, and public administration.

POLS 2200 The Development of American Democracy

3-0-3

An examination of the evolution of American democracy from the founding to the contemporary era. Initially, this course investigates the constitutional foundations of American government. The course lectures and readings will explore the political thought of the founding fathers and the development of the U.S. Constitution. Students will explore the changes in the political processes and institutions of American government over the last 200 years.

POLS 2401 Introduction To Global Issues

3-0-3

A survey of contemporary political issues arising both internationally and in the United States. Discussion will focus upon a number of controversial political topics currently being debated in the United States such as electoral reform, social and welfare issues, and role of the U.S. in the world. The course will also examine issues of a more international nature such as global security, international trade and economics, human rights, and the moral responsibilities of nation-states.

POLS 2401H Honors Introduction To Global Issues

3-0-3

A survey of contemporary political issues arising both internationally and in the United States for honors students, taught in an enriched environment. Discussion will focus upon a number of controversial political topics currently being debated in the United States such as electoral reform, social and welfare issues, and the role of the U.S. in the world. The course will also examine global issues such as international trade and economics, human rights, and the moral responsibilities of nation-states.

POLS 2501 Introduction to Domestic Policy Issues

3-0-3

A discussion of current domestic policy issues which provides students with a basic understanding of American domestic policy. Topics include fiscal policy, monetary policy, budgeting, regulatory policy, and redistributive policy.

POLS 3100 Scope and Methods of Political Science

3-0-3

An introduction to the foundations of politics as a science by examining what political scientists (and other social scientists) do and study. The course examines the basic concepts and approaches to understanding the political world and all it embodies, from analyzing a public policy to examining electoral behavior. It is designed to: introduce students to political science research; prepare students to evaluate research critically; interpret social scientific research; and provide students with the requisite skills to initiate and conduct research. **POLS 3100** is taught in an electronic classroom using appropriate software packages.

POLS 3200 American State and Local Government and Politics

3-0-3

A study of American subnational governments and politics with special emphasis upon intergovernmental relations.

POLS 3210 The American Legislative Process

3-0-3

A study of the legislative process in the United States, focusing primarily on Congress and the state legislatures. Course topics will include elections for legislative offices and the interaction between the legislature and the executive branch. The roles of parties and leaders in the legislative process will be examined.

POLS 3220 Political Parties, Interest Groups, and the Media

3-0-3

A study of the mediating institutions in society which connect citizens to their government. The course examines the historical evolution of American political parties and their special con-

tributions to our democracy. After an examination of the decline of political parties in the twentieth century, this course explores the ascendance of interest groups and the mass media. Topics of particular interest include the explosion of political action committees, the rise of issue networks, media bias and the influence of the media on political learning.

POLS 3230 American Political Parties and Elections

3-0-3

A study of the development of American political party systems with special emphasis on contemporary electoral activities of political parties.

POLS 3240 American Judicial Process and Behavior

3-0-3

A comprehensive examination of the workings of the American judiciary, its impact and compliance at both the state and the federal levels and the complex environment within which the courts function. Critical to the examination of both criminal and civil courts is the assumption that decisions made by judges play a powerful role in shaping public policy and that courts themselves are strongly influenced by other institutions and forces in the society.

POLS 3250 Introduction to Law in Anglo-American Society

3-0-3

An examination of the historical roots of the Anglo-American legal system. The course also examines the relationship between law and society, law and values, and between wealth and the legal order.

POLS 3260 Jurisprudence: Theories of Law and Legal Thought

3-0-3

An examination of major legal schools of thought. The course looks at positive law, natural law, ideas of justice, and the concept of natural rights.

POLS 3270 Public Opinion and Political Socialization

3-0-3

An examination of the origins, content, and impact of public opinion. Special emphasis is placed on the advantages and limitations of public opinion polling. The course also examines the main agents of political socialization. Topics of particular interest include the role of the family in political learning, racial differences in political socialization, and the influence of television on the formation of pre-adult political opinions.

POLS 3280 Women and Politics

3-0-3

A review of the attitudes toward and participa-

tion by women in the political arena. The course focuses on the political factors that have encouraged or deterred women in politics in the American political system as well as in additional selected political systems.

POLS 3290 The American Presidency

3-0-3

The study of the role, powers, and responsibilities of the President of the United States within the constitutional system and the changing nature of the presidency.

POLS 3300 Comparative Politics

3-0-3

A study of key concepts and theories of comparative politics. Examines case studies from different types of political systems and regions of the world.

POLS 3400 International Politics

3-0-3

A study of key concepts and theories of international politics. Examines the evolution of the contemporary international system and conflict and cooperation among nation-states.

POLS 3500 Western Political Theory I

3-0-3

An examination of the teachings of the classical period of political theory from early Greeks through the political writings of Thomas Aquinas.

POLS 3510 Western Political Theory II

3-0-3

An examination of the normative teachings of modern political theory beginning with Machiavelli up to the writings of John Stuart Mill.

POLS 3520 Modern Political Ideologies

3-0-3

An exploration of the dominant political ideologies that shape decisions about and understanding of political events, including but not limited to capitalism, socialism, communism, patriarchy, feminism, environmentalism, liberation theology, liberalism, populism, and nationalism.

POLS 3530 American Political Thought

3-0-3

A study of the foundations of American political thought from the Puritan era to contemporary times.

POLS 3600 Introduction to Public Administration

3-0-3

A focus on the study of public administration processes and underlying theories within American government structures. Emphasis is on the pragmatic aspects of current government leadership and public agency management.

POLS 3610 Public Administration and Public Policy Formation

3-0-3

An examination of the basic problems involved in the development of public policy by government actors and institutions, with emphasis on public decision making, organizational theory, and political and administrative influences on the policy making process.

POLS 4100 Political Science Research Paper

3-0-3

Prerequisite: POLS 3100. The capstone course for political science majors. This course provides students with the tools to design a research project, and execute that project by gathering data, analyzing those data, and presenting their findings in a formal paper. POLS 4100 is taught in an electronic classroom using appropriate software packages. POLS 4900 may be taken as a substitute or in addition.

POLS 4200 American Constitutional Law I

3-0-3

A comprehensive study of constitutional law emphasizing leading constitutional cases with respect to separation of powers, federalism, rights and liberties, and the role of law enforcement in relation to civil and criminal law.

POLS 4202 American Constitutional Law II

3-0-3

A comprehensive study of constitutional law emphasizing leading decisions in civil liberties with special attention to the due process clauses, the first amendment, and the rights of the accused.

POLS 4210 Separation of Powers in the American Political System

3-0-3

An exploration of the political theory behind a separation of powers. Primary emphasis is placed on the relations between Congress and the President. Topics of particular interest include the origins and impact of divided government, the role of the Supreme Court in arbitrating disputes between the branches of government, and reform proposals to bridge the separation of powers.

POLS 4220 Administrative Law and Government

3-0-3

An overview of the administrative law process with the focus upon the formation and execution of public policy. Special emphasis is placed upon protecting the interests of all parties involved in the complex process of administrative law, policy formation and implementation.

POLS 4230 Legal Research

3-0-3

A concentration on developing the research skills necessary for a knowledge, appreciation, and ability to function effectively within the legal system.

POLS 4240 Politics and the Supreme Court

3-0-3

A review of landmark decisions of the Supreme Court. This course addresses issues related to the political climate surrounding such decisions. The political ramifications of Supreme Court cases are emphasized.

POLS 4250 Trial Advocacy

3-0-3

Also offered as LEAS 4250. An examination of all aspects of presenting a case in trial. Students develop effective methods for analyzing and preparing cases for presentation in trial. Students will learn and use basic technical skills necessary as members of the University's Mock Trial Team at tournaments sponsored by the American Mock Trial Association. May be repeated for credit up to 9 hours for political science majors, with no more than 3 credit hours applicable to the major.

POLS 4260 Women, Minorities, and Law

3-0-3

An exploration of the roles of women and ethnic and racial minorities in the American legal system. The course also examines the legal standing of women and minorities.

POLS 4270 Southern Politics

3-0-3

An exploration of the unique and colorful political history and political culture of the American South. After considering the defining characteristics of the "old" southern politics, the course examines the most important features of the "new" southern politics and analyzes the changing role of the South in national politics. This course will focus on the "three R's" of southern politics: race republicanism, and realignment.

POLS 4300 European Politics

3-0-3

A study of the politics and government of Europe. The course focuses on key political institutions and issues in major European countries, and the impact of integration on the nation-state.

POLS 4310 Politics in Russia

3-0-3

A comprehensive study of the Russian political system with careful attention to the Soviet communist era. Major topics include the role of political parties, institutional changes, political culture, and leadership.

POLS 4320 Latin American Politics

3-0-3

A study of the politics and governments of the nation-states of Central and South America. The course focuses on key political institutions and issues in major Latin American countries.

POLS 4330 African Politics

3-0-3

A study of the domestic and international politics of Africa from the pre-colonial period to the present day.

POLS 4340 Comparative Political Leadership

3-0-3

An application of theories of political leadership in a comparative framework. There will be considerations of conditions leading to effective as well as to failed leadership. Course material will include case studies of individual leaders as well as of key leadership bodies.

POLS 4350 Politics in Developing Nations

3-0-3

The study of political institutions, processes and behavior within a comparative perspective.

POLS 4360 Politics of Post-Communism

3-0-3

An examination of the political dynamics of Eurasia. Comparisons of emergent political systems in East Central Europe, Russia, and the newly independent nations formed out of the old Soviet Union will constitute the central focus. A secondary emphasis will be study of the regional and international orientations of these nation-states.

POLS 4370 Comparative Constitutional Law and Judicial Politics

3-0-3

A cross-cultural examination of constitutional legal systems. The course focuses on such topics as institutions, legal professionals, judicial selection, judicial decision-making, and methodological issues involved in the cross-cultural study of legal processes and behavior.

POLS 4390 Constitutional Law and Judicial Politics of the European Union

3-0-3

An examination of constitutional law and judicial politics with emphasis on the legal and political framework of the European Union. The focus is on the following topics: legal and political institutions of the European Union, legal and political elites, judicial selection/recruitment of judges, judicial/political decisionmaking and relevant issues involved in cross-cultural study of legal and political systems. The course examines how decisions of the Court of Justice impact the economic balance and political stability of the European Union.

POLS 4400 International Organization and Law

3-0-3

Readings, cases, lectures and research on the functioning of the legal structures in the international system with special emphasis on the relation between law and politics.

POLS 4410 American Foreign Policy

3-0-3

A study of the domestic and external pressures

that guide American foreign policy planners. Specific policies toward Russia, West Europe, China, and Latin America will receive special attention.

POLS 4420 Global Security Policy

3-0-3

The study of the political efforts to deal with threats to world order arising from war, nuclear proliferation, international terrorism, the environment, the economy, and related factors.

POLS 4430 National Security Administration and Policy

3-0-3

An examination of the organizational dynamics, political features, and policy outcomes of the national security decision-making process. Special attention will be placed on the changing role of the National Security Council.

POLS 4440 Model United Nations

3-0-3

A study of the role of the UN in the world today. Students will obtain experience in practicing diplomatic skills in a mock setting. The ultimate goal of the course is to prepare students to represent accurately a member of the UN in regional and national competition.

POLS 4600 Government Organization and Administrative Theory

3-0-3

A systematic analysis of theories of organization, management, and administration. Special consideration will be given to institutional, behavioral, and psychological factors.

POLS 4610 Public Personnel Administration

3-0-3

An examination of procedures and problems of governmental personnel administration. Studies of governmental agencies are encouraged to give students first-hand knowledge of governmental personnel administration.

POLS 4620 Public Finance Administration

3-0-3

A study of the activities involved in the collection, custody, and expenditure of public revenue, such as the assessment and collection of taxes, public borrowing and debt administration, the preparation and enactment of the budget, financial accountability and the audit.

POLS 4630 Techniques and Processes of Public Management

3-0-3

An exploration of public management within the structure and context of a democratic government. The course examines the strengths and weaknesses of public management processes such as the National Performance Review, traditional public management techniques, and applied theories to assess change in Georgia laws. It also addresses public management, leadership, decision-making, analytical models, budgeting,

and selected public issues.

POLS 4640 Urban Politics and Administration
3-0-3

An analysis of the governmental function in urban areas. Emphasis is placed on the management role in a political context.

POLS 4650 Intergovernmental Relations
3-0-3

A study of federal, state, and local governmental interactions, with an emphasis on the implications of these interactions for public management.

POLS 4660 State Executive Politics and Management
3-0-3

An examination of governors and other state and local officials, including both elected and appointed executives. The interactions of these officials with the legislative and executive branches of government will be studied. The political nature of these interactions will receive emphasis, including the governor's partisan dealings with the state legislature.

POLS 4670 Quality Management in Public Administration
3-0-3

An examination of key current issues in public administration. The course explores the most current literature illuminating the issues facing public administrators in today's demanding environment.

POLS 4700 Directed Study in Political Science
1/3-0-1/3

Directed readings in selected areas of political science with regular conferences between instructor and students.

POLS 4820 Special Topics in U. S. Government and Politics
3-0-3

POLS 4830 Special Topics in Comparative Politics
3-0-3

POLS 4840 Special Topics in International Politics
3-0-3

POLS 4850 Special Topics in Political Theory
3-0-3

POLS 4860 Special Topics in Public Administration
3-0-3

POLS 4900 Internship in Political Science
3-0-3 to 9-0-9

Supervised study in a structured governmental or political environment. Open to any student, regardless of major, meeting stated requirements in any of the available Internship Programs: Governor's, Georgia Legislative, U.S. Senate, U. S. House of Representatives, etc. The number of credit hours granted is dependent upon the

particular program, academic work, requirements, and nature of participation. May be substituted for POLS 4100 as the capstone course for political science majors.

PSYC: PSYCHOLOGY AND COUNSELING

PSYC 2500 Fundamentals of Psychology
3-0-3

A general survey course designed to introduce the student to fundamental methods and content of contemporary psychology. PSYC 2500 is required of all psychology majors.

PSYC 2500H Honors Fundamentals of Psychology
3-0-3

A general survey course designed to introduce the student to the fundamental methods and content of contemporary psychology. PSYC 2500H substitutes for PSYC 2500.

PSYC 2700 Human Growth and Development
3-0-3

The study of human growth and development across the lifespan, with emphasis on normal growth and milestones achieved in the physical, cognitive, social, and emotional systems. Educational, personal, and familial contexts that influence life satisfaction, mental and physical health are highlighted.

PSYC 3000 Psychology as a Career
1-0-1

Prerequisite: PSYC 2500. Open to all students considering psychology as a major and career. An exploration of psychology as a major and a career.

PSYC 3110 Educational Psychology
3-0-3

Prerequisite: CIED 2000 or HSPE 2100, PSYC 2700 and acceptance to Teacher Education or approval of instructor. Application of psychological principles, theories, and methodologies to issues of teaching and learning in schools. (Successful completion of 20 hours of field experience is required.)

PSYC 3120 Psychoeducational Aspects of Early Childhood
3-0-3

Prerequisite: CIED 2000 or HSPE 2100, PSYC 2700 and acceptance to Teacher Education or approval of instructor. Application of psychological principles, theories, and methodologies to issues of physical, cognitive, affective, and social development of the young child in school settings, especially ages three through eight. (Successful completion of 20 hours of field experience required.)

PSYC 3130 Educational Psychology for

Teachers of Adults

3-0-3

Prerequisite: Acceptance to the TTIE degree program in the College of Education or approval of instructor. Application of psychological principles, theories, and methodologies to issues of teaching and learning for adults. This course does not substitute for PSYC 3110 or PSYC 3120 in meeting teacher education degree requirements.

PSYC 3200 Child Psychology

3-0-3

Prerequisite: PSYC 2500. A clinical-research approach to understanding the psychological and developmental problems which emerge in the period from conception through adolescence. From a topical perspective, there is focus on pathological conditions which contribute to adjustment, learning and health problems.

PSYC 3210 Adolescent and Young Adult Psychology

3-0-3

Prerequisite: PSYC 2500. The course focuses on normative development from pubescence through young adulthood. Emphasis is placed on theory, research, and implications of achievements of this period, such as establishment of identity and independence, and how family, peers, schools, media and community may impact development. Topics include the implications of risk factors to developmental outcomes of individuals of these ages.

PSYC 3220 Adult Psychology and Gerontology

3-0-3

Prerequisite: PSYC 2500. The course focuses on development from early adulthood through late old age for changes in biological, cognitive, social, and personality domains. Emphasis is placed on normative aging processes and issues in successful aging. Topics include issues in marriage, career, parenting, retirement, physical and mental health, and transitioning into new roles.

PSYC 3300 Applied Behavior Analysis I

3-0-3

Prerequisite: PSYC 2500. Concepts and methods of behavior analysis and social learning. Emphasis is on the procedures associated with respondent and operant conditioning. A field-based behavior modification experiment is required of all students.

PSYC 3400 Abnormal Psychology

3-0-3

Prerequisite: PSYC 2500. The nature and etiology of the various forms of behavior disorder, mental deficiency, and other deviations.

PSYC 3450 Theories of Personality

3-0-3

Prerequisite: PSYC 2500. Introduction to the nature, study, and conceptualization of personality. Historical and contemporary theoretical perspectives of personality will be critically examined, and applications will be discussed.

PSYC 3500 Statistical Methods in Psychology

3-0-3

Prerequisite: PSYC 2500 and a grade of "C" or better in MATH 1111 or higher MATH course. Univariate and bivariate statistical methods for research in the behavioral sciences.

PSYC 3600 Experimental Psychology

3-0-3

Prerequisite: PSYC 3500 with grade of "C" or better. An introduction to scientific/experimental research methods used in the study of behavior.

PSYC 3700 Rehabilitation Psychology

3-0-3

Prerequisite: PSYC 2500. The course focuses on biological, personality, cognitive, and social effects of disabilities on adult development. Emphasis is placed on sensory and motor disabilities and the roles played by vocational rehabilitation programs, independent living initiatives, and the community integration movement on rehabilitation. Implications of theory, research, and program implementation on rehabilitation outcomes will be made.

PSYC 3710 Social Psychology

3-0-3

Prerequisite: PSYC 2500. The study of how one's thoughts, feelings, and behaviors are influenced by others. Theoretical and practical applications are discussed.

PSYC 3800 Industrial/Organizational Psychology

3-0-3

Prerequisite: PSYC 2500. Theory and application of psychological principles to industrial and organizational settings.

PSYC 3900 Tests and Measurements

3-0-3

Prerequisite: PSYC 3500. Principles, techniques, and theory underlying construction and use of tests for educational and psychological measurement.

PSYC 4000 Cognitive Psychology

3-0-3

Prerequisite: PSYC 3600. A survey of the cognitive processes, including topics on attention, memory, language, imagery, problem solving, intelligence, and neurocognition. Data collection required.

PSYC 4050 Psychology of Learning

3-0-3

Prerequisite: PSYC 3600 with grade of “C” or better. An introduction to the basic principles of human and animal learning, memory, and problem solving.

PSYC 4100 Physiological Psychology

3-0-3

Prerequisite: PSYC 3600. An introduction to the structure and function of the human nervous system and its relation to behavior.

PSYC 4150 Sensation and Perception

3-0-3

Prerequisite: PSYC 3600. An overview of the physiology of the senses and how sensory information is integrated so perception can occur. Laboratory experiments included.

PSYC 4300 Behavior Analysis II

3-0-3

Prerequisite: PSYC 3300 and PSYC 3600. The concepts, methods, and procedures of behavior analysis are examined in terms of how they are used in typical populations and problems in clinical, educational, home, business/industrial and other settings. A field placement behavior modification intervention is required of all students.

PSYC 4500 Special Topics in Psychology

1-0-1 to 3-0-3

Prerequisite: PSYC 2500 and approval of instructor. Issues of topical importance in psychology are explored. May be repeated for a maximum of 6 hours credit.

PSYC 4800 Introduction to Clinical Practices

3-0-3

Prerequisite: Senior Standing, PSYC 3400, and PSYC 3900. An overview of the clinical activities involved in the provision of mental health services. Diagnostic and therapeutic practices are presented along with current clinical issues.

PSYC 4850 Directed Study in Psychology

3-0-3

Prerequisite: Approval of instructor and Head of the Department. Individualized study of an existing course not offered during the particular semester needed.

PSYC 4870 Workshop in Applied Psychology

1-0-1 to 3-0-3

Prerequisite: Approval of advisor and Head of the Department. An intensive study of a topic relevant to applied psychology services provision. May be repeated for a maximum of 6 hours credit.

PSYC 4900 History of Psychology

3-0-3

Prerequisites: Senior Standing and PSYC 3600. Traces the origins of psychology from philosophy and physiology and its development into the science psychology is today.

PSYC 4950 Senior Seminar

3-0-3

Prerequisites: Senior Standing and PSYC 3600. Students will explore the diverse career options, debate various controversial issues, and discuss other select topics of current concern in the field of psychology.

PSYC 4991, PSYC 4992, PSYC 4993

Senior Thesis I, II, III

1-0-1 each

Prerequisites: “B” or better in PSYC 3500 and PSYC 3600, consent of instructor and junior standing. A multi-semester course during which the student will develop, conduct, and write up a novel psychological study.

READ: READING EDUCATION

READ 0099 See the Learning Support section at the end of the list of course offerings.

READ 3200 Integrating Literature & the Fine Arts in the Teaching of Reading

3-0-3

Corequisite: ECED 3190. An integrated approach to the teaching of reading that incorporates aesthetic appreciation and creative expression. Emphasis is placed on methods for using childrens literature and the fine arts to develop life long readers.

READ 3500 Teaching Children to Read in the Primary Grades

3-0-3

Prerequisite: ECED 3400, READ 3200. **Corequisite:** ECED 3690. An introduction to methods of teaching young children to read with an emphasis on balanced reading instruction. Major topics include building a literacy foundation, phonic and contextual analysis, comprehension instruction, and guided reading instruction.

READ 4030 Directed Study in Reading

3-0-3

Prerequisite: Consent of the Department Head. An opportunity for intensive individual study in the student's field of specialization

READ 4100 Assessment and Correction of Reading Difficulties

2-0-2

Prerequisites: READ 3500. Corequisite: ECED 4690. Emphasizes diagnostic and assessment strategies for corrective instruction with young children experiencing moderate difficulty in learning to read. Includes causes of reading disability, methods of diagnosis, and procedures for group and individual remedial work.

READ 4200 Reading and Writing to Learn in the Intermediate Grades

3-0-3

Prerequisite: READ 3500. Corequisite: ECED 4690. Teaching strategies for comprehending and composing expository text. Emphasis is placed on teaching reading and writing across the content areas in grades 3-5. Motivating students to read and write; developing vocabulary, comprehension strategies, higher level thinking, and study skills; and utilizing technology will be addressed in relation to reading and text. writing expository

READ 4530 Teaching Reading to Children With Exceptionalities (Special Education)

3-0-3

An introduction to the methods and materials for teaching reading to exceptional children within a balanced approach to reading instruction. Topics covered will include building a literacy foundation, developing word identification skills, and developing vocabulary and comprehension. This course is for special education teachers.

READ 4550 Reading in the Content Areas (Middle and Secondary Education)

3-0-3

The simultaneous teaching of reading skills and course content. Emphasis is placed on preparing students for content area reading assignments, providing support during reading, and promoting higher level thinking. Motivating students to read widely and developing vocabulary, reading comprehension, and study skills will be dealt with in relation to the content areas.

REL: RELIGIOUS STUDIES

REL 2020 World Religions

3-0-3

A study of the major religious traditions in

their historical and cultural contexts. Concepts of the Holy, sacred stories, rituals, symbols, ethical codes, and sacred communities are examined in Pre-literate cultures, Hinduism, Buddhism, Taoism, Confucianism, Judaism, Christianity, and Islam.

REL 3300 Philosophy of Religion

3-0-3

Also offered as PHIL 3300. The study of basic problems of religious belief and critical analysis of proposed solutions to these problems.

REL 3330 New Testament

3-0-3

A general academic introduction to the history, thought and literature of the New Testament, and to some of the major problems addressed in the area of New Testament Studies.

REL 3340 Old Testament/Hebrew Bible

3-0-3

A presentation of the principal characters, events, social structures and theological perspectives reflected in texts of the Hebrew Bible. Old Testament/Hebrew Bible introduces methods and interpretive frameworks shaped by current biblical scholarship.

REL 3370 Religious Thought

3-0-3

An examination of major theological/religious themes derived from both the Western and Eastern traditions. Information regarding the focus for a given quarter will be available through the religion faculty of the Department of Philosophy.

REL 3390 Concepts of God

3-0-3

Also offered as PHIL 3390. An examination of a range of differing interpretations of the concept "God", undertaken primarily from the standpoint of philosophical inquiry regarding a predominately religious theme.

REL 3400 Existentialism

3-0-3

Also offered as PHIL 3400. The study of some of the principal existentialist thinkers such as Sartre, Heidegger, Buber, and Jaspers.

REL 3410 Philosophy of Human Nature

3-0-3

Also offered as PHIL 3410. An introduction to some major concepts of human nature that have influenced Western thought from the time of early Judaism, Plato, and Early Christianity. This course includes the contributions of later political theorists, scientists, social scientists, philosophers and theologians.

REL 3500 History of Christianity

3-0-3

An introduction to significant figures in Christianity, which traces dominant themes and movements that have influenced Christian insti-

tutions and traditions over the centuries.

REL 3600 Women and Religion

3-0-3

An introduction to historical, theological, spiritual, and liturgical dimensions of women's experience within religious traditions. Research opportunities increase students' awareness of the implication of gender as an interpretive category in religion.

REL 4700 Topics in Religious Studies

1-0-1 to 3-0-3

A forum for dialogue and discourse on a variety of timely issues in Religious Studies. Reflects interests and concern of faculty and students by addressing particular subjects that relate the nexus of religion and human experience.

REL 4710 Directed Study in Religious Studies

1-0-1 to 3-0-3

An individual study of a special area of religious studies under supervision of instructor.

RGTE: REGENTS' TESTING PROGRAM

RGTE and RGTR courses: See the Learning Support section at the end of the list of course offerings.

RUSS: RUSSIAN

RUSS 1001 Beginning Russian Language and Introduction to Russian Culture I

3-0-3

Emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching for Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions. RUSS 1001 is not open for credit to students with two or more years of high school Russian or the equivalent.

RUSS 1002 Beginning Russian Language and Introduction to Russian Culture II

3-0-3

Prerequisite: RUSS 1001 or the equivalent.
A continuation of RUSS 1001, with emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching for Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions.

RUSS 1111 Intensive Russian Language and Culture

3-0-3

Prerequisite: Two or more years of high school Russian or the equivalent. Emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching for Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions. RUSS 1111 is a one-semester combination of RUSS 1001 and RUSS 1002. The course is designed for those students not fully prepared for the 1002 level. RUSS 1111 reviews the concepts presented in RUSS 1001 and advances the student through the material of RUSS 1002.

RUSS 2001 Intermediate Russian Language and Russian Culture I

3-0-3

Emphasis on the development of proficiency and communicative competence at the intermediate level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching for Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions.

RUSS 2002 Intermediate Russian Language and Russian Culture II

3-0-3

Prerequisite: RUSS 2001 or the equivalent.
A continuation of Russian 2001, with emphasis on the development of proficiency and communicative competence at the intermediate level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching for Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions.

SCI: SCIENCE FOR EDUCATION MAJORS

SCI 3000 Science for Early Childhood Education Teachers

2-2-3

Co-requisites: ECED 3300, ECED 3690, MATH 3160. Basic information about biology, chemistry, and the physical sciences including astronomy, geology, and physics for early childhood education majors. The course will provide an integrated view of the role of the biological, chemical and physical sciences in understanding the natural world. Coordinated laboratory activities will be an integral part of the course.

SCI 3101 Matter and Energy for Middle Grades Education

3-2-4

Pre- or Corequisite: MATH 3180. A study of matter and energy, concentrating on the properties and phases of matter, motion, forces, and exchange of energy. Students will gain a conceptual understanding of Newton’s laws, electricity and magnetism, the structure of the atom, and chemical bonding and reactions. Interactive demonstration and laboratory experiments will illustrate important concepts.

SCI 3102 Earth and Space Science for Middle Grades Education

3-2-4

Prerequisite: SCI 3101. An integrated overview of earth and space science for MGE majors with a concentration in science. Topics include plate tectonics, Earth materials and resources, Earth history, weather and climate, oceanography, global cycles, the solar system, origin and evolution of stars, and cosmology.

SCI 3103 Natural History for Middle School Teachers

3-2-4

Prerequisite: BIOL 1030, BIOL 1040, SCI 3102, or consent of the instructor. Survey primarily of the biota of South Georgia and associated biological processes. Using the biota of South Georgia as a model, students will study basic ecological principles, population structure and dynamics, life history patterns, and reproductive strategies and behaviors common to living systems. Special topics covered in the course include the biology of rare and endangered species and the importance of biological resources to human society.

SEED: SECONDARY EDUCATION

SEED 3000 Issues and Trends In Secondary Education

3-0-3

Prerequisite: Admission to Teacher Education. An advanced study of contemporary practices and problems in middle secondary education with an emphasis placed on philosophy, multiculturalism, reflective practices, and management of time, resources, and students. Successful completion of a 20-hour middle school field experience is required.

SEED 3010 Integrating Technology in Secondary Education

0-2-1

Prerequisite: BVED 2400. Focuses on advancing a learner’s systematic, progressive migration to a student-centered, technology-empowered

classroom. Central theme is integrating technology into the curriculum.

SEED 3100 Approaches To Learning For Secondary English Education

3-0-3

Prerequisite: PSYC 3110. A study of research that focuses on how students learn English.

SEED 3110 Classroom Laboratory I - English

1-0-1

Participation in a secondary classroom in collaboration with a secondary teacher and university faculty.

SEED 3200 Approaches To Learning For Secondary Mathematics Education

3-0-3

Prerequisite: PSYC 3110. A study of research that focuses on how students learn mathematics.

SEED 3210 Classroom Laboratory I - Mathematics

1-0-1

Participation in a secondary classroom in collaboration with a secondary teacher and university faculty.

SEED 3310 Classroom Laboratory I - Science

1-0-1

Participation in a secondary classroom in collaboration with a secondary teacher and university faculty.

SEED 3410 Classroom Laboratory I - Social Studies

1-0-1

Participation in a secondary classroom in collaboration with a secondary teacher and university faculty.

SEED 4100 Curriculum and Methods For Teaching Secondary English

3-0-3

Prerequisite: ITED 3000, SEED 3110; Corequisite: SEED 4110. Synthesis of all previous education courses. Students are required to develop inquiry-based, problem-centered, developmentally-appropriate, interdisciplinary curriculum and activities that incorporate technology and authentic assessment strategies. Also includes the study of adolescent literature as part of the secondary curriculum.

SEED 4200 Curriculum and Methods For Teaching Secondary Mathematics

3-0-3

Prerequisite: ITED 3000, SEED 3210; Corequisite: SEED 4210. Synthesis of all previous education courses. Students are required to develop inquiry-based, problem-centered, developmentally-appropriate, interdisciplinary curriculum and activities that incorporate technology and authentic assessment strategies. Also includes examination and evaluation of the Na-

tional Council of Teachers of Mathematics Standards.

SEED 4300 Curriculum and Methods For Teaching Secondary Science

3-0-3

Prerequisite: ITED 3000, SEED 3310; **Co-requisite:** SEED 4310. Synthesis of all previous education courses. Students are required to develop inquiry-based, problem-centered, developmentally-appropriate, interdisciplinary curriculum and activities that incorporate technology and authentic assessment strategies.

SEED 4400 Curriculum And Methods For Teaching Secondary Social Studies

3-0-3

Prerequisite: ITED 3000, SEED 3410; **Co-requisite:** SEED 4410. Synthesis of all previous education courses. Students are required to develop inquiry-based, problem-centered, developmentally-appropriate, interdisciplinary curriculum and activities that incorporate technology and authentic assessment strategies.

SEED 4620 Classroom Practicum

0-2-1

Co-requisite: SEED 4100 or SEED 4200 or SEED 4300 or SEED 4400. Implementation and assessment of appropriate classroom activities and lessons in collaboration with a secondary teacher and university faculty.

SEED 4780 Internship In Secondary Education

6-0-6

Prerequisite: Completion of coursework and consent of department.

SEED 4790 Student Teaching

10-0-10

Prerequisite: Completion of coursework and consent of department.

Co-requisite: SEED 4800.

SEED 4800 Professional Practices Seminar

2-0-2

Co-requisite: SEED 4790.

SOCI: SOCIOLOGY

SOCI 1101 Introduction to Sociology

3-0-3

Fundamentals of sociology, focusing on basic concepts, theories, and methods of research and inquiry. Emphasis is on applying the sociological perspective to understanding social inequalities and social stratification, culture, social institutions and groups, social change, and the relation of the individual to society.

SOCI 1101H Introduction to Sociology, Honors

3-0-3

Fundamentals of sociology, at the honors level,

focusing on basic concepts, theories, and methods of research and inquiry. Emphasis is on applying the sociological perspective to understanding social inequalities and social stratification, culture, social institutions and groups, social change, and the relation of the individual to society.

SOCI 1160 Introduction to Social Problems

3-0-3

An analysis of major national and international social problems, using the sociological perspective. Sociological principles, theories, and methods will be used in data interpretation, analysis of ideologies, and evaluation of social policy.

SOCI 3000 Sociological Analysis and Statistical Applications

2-2-3

Prerequisites: ANTH 1102, SOCI 1101, and SOCI 1160. An introduction to the foundations of sociology and anthropology as well as basic statistical analysis. The course will examine social scientific research design including conceptualization, operationalization, problem definition, database management, and sampling. Data analysis will include descriptive, inferential, and multivariate statistics and use data analysis software. Computer laboratory periods required.

SOCI 3050 Social Welfare

3-0-3

Prerequisites: SOCI 1101 or SOCI 1160 or permission of instructor. Designed to provide a general introduction to social welfare in the United States. History, philosophy, policies, programs, concepts, and practices in the field will be examined. Introduces students to the range of helping professions in the human services field. Emphasis will be placed on the needs and problems of social welfare recipients and legislation related to social welfare issues. Particular attention is paid to the nature of the U.S. social welfare system and its impact on disadvantaged populations.

SOCI 3060 Race and Ethnic Relations

3-0-3

Prerequisites: SOCI 1101 or SOCI 1160 or permission of instructor. An introduction to the sociology of race and ethnic relations. A study of systems of social inequalities based upon race and ethnic divisions in society. Case studies including African-American and international ethnic conflicts are explored.

SOCI 3090 Mass Media and Popular Culture

3-0-3

Prerequisites: SOCI 1101 or SOCI 1160 or permission of instructor. A sociological analysis of the impact of mass media and popular culture on individuals and groups in such areas

as violence, consumerism, political participation, social deviation, and interpersonal communication.

SOCI 3100 Sociology of Work and Occupations
3-0-3

Prerequisites: SOCI 1101 or SOCI 1160 or permission of instructor. Sociological study of the nature and organization of work in contemporary society. Course includes a study of the relationship between occupations and careers; the social organization of work in bureaucracies, voluntary associations, and enterprises; the sociological analysis of the meaning of work in society; the growth of the managerial class; and individualized strategies for career entry.

SOCI 3150 Sociology of Religion
3-0-3

Prerequisites: SOCI 1101 or SOCI 1160 or permission of instructor. The study of religion as one of the basic institutions in society. The course will cover the functions of religion within society; problems and conflicts within religion, such as racism and sexism; and how religion is expressed by persons in a variety of groups and cultures.

SOCI 3190 Clinical Sociology
3-0-3

Prerequisites: SOCI 1101 or SOCI 1160 or permission of instructor. Introduces students to the skills needed for direct work with clients, such as effective engagement, active listening, interviewing, assessment and goal setting, and ethical concerns. Focus is placed on the whole person and the sociological model of assessment.

SOCI 3200 Applied Sociology
3-0-3

Prerequisites: SOCI 1101 or SOCI 1160 or permission of instructor. An analysis of the approaches and techniques used by sociologists and human service workers in applied/clinical settings. Emphasis on sociological principles and their application in the diagnosis and treatment of individuals and groups. Applied/clinical sociology as a profession as well as ethical issues will also be addressed.

SOCI 3210 Human Services with Children
3-0-3

Prerequisites: SOCI 1101 or SOCI 1160 or permission of instructor. Designed to increase the knowledge and understanding essential for effective practice with children in human service settings. The course will review the current theories and literature concerning child development, child trauma, and child coping styles. Practice and assessment skills for working with children and their parents in human service set-

tings is examined. Special attention given to the dynamics and needs of high risk and minority populations.

SOCI 3300 Environmental Sociology
3-0-3

Prerequisites: SOCI 1101 or SOCI 1160 or permission of instructor. Examines the institutional, cultural, and individual factors implicated in the rise of modern environmental problems. Topics will include the cultural and historical roots of environmental disruptions, the environmental movement, the emergence of environmental sociology, energy issues, socio-economic development, environmental equity and social inequality, population growth, and sustainable development.

SOCI 3350 Social Deviance
3-0-3

Prerequisites: SOCI 1101 or SOCI 1160 or permission of instructor. A study of the nature and dimension of deviance in society, with special emphasis on the problems of definition, identification, explanation, and social reaction. Specific forms of deviance, including the construction of deviant identities and deviant careers, will be discussed.

SOCI 3500 Sociological Theory
3-0-3

Prerequisites: SOCI 3000. An essentially historical survey of the development of sociological theory. Strategies of theory building and conducting research will also be considered. Students will develop a competent review of literature in an area of sociology.

SOCI 3510 Research Methods
3-0-3

Prerequisites: SOCI 3000. An introduction to social research techniques with an emphasis on firsthand data collection. Project work introduces students to issues in research design, ethical concerns, conceptualization, sampling, data analysis, interpretation of research results, report writing, and application of research findings. Will be taught in electronic classrooms, as facility availability permits.

SOCI 3650 Sociology of Sport
3-0-3

Prerequisites: SOCI 1101 or SOCI 1160 or permission of instructor. The study and analysis of the spectacle, business, and power of sport in society. Coursework examines both the socially integrative and disintegrative aspects of sport as an institution. Includes international analyses and multicultural examples.

SOCI 3690 Sociology of Domestic Violence
3-0-3

Prerequisites: SOCI 1101 or SOCI 1160 or permission of instructor. A sociological analy-

sis of domestic violence. Areas covered include the nature and scope of the problem; an exploration of victim/perpetrator dynamics; the intersections of gender, race, class and domestic violence; and societal responses to this problem. Both historical and cross-cultural material will be examined.

SOCI 3700 Marital and Family Dynamics

3-0-3

Prerequisites: SOCI 1101 or SOCI 1160 or **permission of instructor.** Designed to provide a theoretical basis for working with families in human service settings. Theoretical and practical considerations of family dynamics over the life span are examined. Theoretical consideration of persistence and change are examined in families with special attention to critical transitions in family development. Systems interaction patterns are examined with implications for practice in the human service setting. Special attention is given to the dynamics and needs of violent families.

SOCI 3710 Social Psychology

3-0-3

Prerequisites: SOCI 1101 or SOCI 1160 or **permission of instructor.** A sociological analysis of the relationship between social situational influences and individual behavior. Survey of social psychological theories as they relate to social perception, attitudes and behaviors, group productivity, prejudice, and socialization.

SOCI 3750 Medical Sociology

3-0-3

Prerequisites: SOCI 1101 or SOCI 1160 or **permission of instructor.** An analysis of the social processes affecting conditions of health and disease and the cluster of social relationships and organizations that comprise the institution of medicine. Emphasis on social and cultural factors which influence definitions of health and illness, causes, preventions, and treatments, cross cultural comparisons, stress, delivery of health care, and health care professionals.

SOCI 3800 Social Stratification

3-0-3

Prerequisite: SOCI 1101 or SOCI 1160 or **permission of instructor.** A study of systems of stratification, including race, class, and gender. Course includes exploration of research, concepts, and theories in the study of social class, race, and gender and the effect these systems have on power, life chances, and social mobility in our society. A primary focus of the course is the explanation of social inequality.

SOCI 4000 Sociology of Mental Health

3-0-3

Prerequisites: SOCI 1101 or SOCI 1160 or

permission of instructor. Introduces students to the history and causes of mental illness as well as the language of the Diagnostic and Statistical Manual. The relationship between mental illness and the major sociological variables, such as social class, race, gender, age, and marital status will be analyzed. Students will evaluate mental illness from the institutional and client points of view.

SOCI 4030 Community Development

3-0-3

Prerequisites: SOCI 1101 or SOCI 1160 or **permission of instructor.** Introduction to the strategies professionals use in addressing economic, social, political, and multicultural concerns facing communities. Examines communities as social systems, areas of competition and conflict, and emergent interactive shared constructions. Students will be introduced to community development methods with an emphasis on applications in the rural South.

SOCI 4100 Family Sociology

3-0-3

Prerequisites: SOCI 1101 or SOCI 1160 or **permission of instructor.** An analysis of the institution of family in contemporary society. Emphasis is on understanding the historical development of current family systems; a sociological analysis of family dynamics; the interaction between family and other institutions; the connection between family and systems of social class, race, and gender; and current family problems and issues.

SOCI 4130 Social Gerontology

3-0-3

Prerequisites: SOCI 1101 or SOCI 1160 or **permission of instructor.** Study of the social phenomenon of the aging process, the life cycle, and patterns which include social roles, medicalization of aging and death, and the values, norms, and beliefs related to this phenomenon. Course work will emphasize the social changes which have occurred as medical technology and science impact on the culture and institutional patterns related to aging and death. Study of the process of dying will include the entire life cycle and new efforts to deal with this complex social phenomenon.

SOCI 4200 Organizations and Work

3-0-3

Prerequisites: SOCI 1101 or SOCI 1160 or **permission of instructor.** Sociological study of the nature of work within formal and informal organizations. Course includes a study of the relationship between occupations and careers, the social organization of work in bureaucracy, Voluntary organizations, theory and concepts associated with the study of organizations, and

individual strategies for career entry.

SOCI 4270 Crisis and Trauma Intervention
3-0-3

Prerequisites: SOCI 1101 or SOCI 1160 or **permission of instructor.** Acquaints students with the theoretical aspects and practice techniques in crisis and trauma intervention. Special attention is given to the application of intervention skills and techniques used by human service personnel when working with trauma victims and individuals and families in crisis.

SOCI 4540 Internship in Sociology
3-0-3 to 9-0-9

Prerequisites: **Permission of advisor and Internship Coordinator. Must be taken concurrently with SOCI 4990 - Senior Capstone.** Supervised, practical experience in an appropriate community agency; an opportunity for students of demonstrated maturity and judgment to discover the integration between theory and practice and make applications. Graded on satisfactory/unsatisfactory basis.

SOCI 4550 Poverty and Social Welfare
3-0-3

Prerequisite: SOCI 1101 or SOCI 1160 or **permission of instructor.** An examination of the history, causes, and consequences of poverty in the US. Also discussed will be the history, philosophy, policies, programs, concepts, and practices in the field of social welfare.

SOCI 4680 Sociology of Gender
3-0-3

Prerequisite: SOCI 1101 or SOCI 1160 or **permission of instructor.** A micro and macro analysis of the social construction of gender and its resulting inequalities in the major areas of contemporary society, including the economic, family, and political institutions.

SOIC 4800 Issues in Sociological Practice
3-0-3

Prerequisites: SOCI 3190, SOCI 3200. Involves the application of knowledge gained in SOCI 3190 and SOCI 3200 to specific topics within sociological practice. These will include but are not limited to the following: Social Gerontology, Child Welfare, Mental Health, Community Development, and Nonprofit Organizations. Must be taken twice with different topics.

SOCI 4900 Special Topics in Sociology
1-0-1 to 3-0-3

Prerequisites: SOCI 1101 or SOCI 1160 or **permission of instructor.** Topics vary. Designed to provide an intensive study in a current topic relevant to sociology. May be repeated for credit.

SOCI 4910 Special Topics in Human Services
1-0-1 to 3-0-3

Prerequisites: SOCI 1101 or SOCI 1160 or

permission of instructor. Topics vary. Designed to provide an intensive study in a current topic relevant to human services. May be repeated for credit.

SOCI 4980 Directed Topics in Sociology
1-0-1 to 3-0-3

Prerequisites: SOCI 1101 or SOCI 1160 or **permission of instructor.** Study in an area or subject not normally found in established courses offered by the department; may also allow the student to explore in more detail a topic which is normally covered by the department. May be repeated for credit

SOCI 4990 Senior Capstone
3-0-3

Prerequisites: Successful completion of SOCI 3000, the Foundation courses, and a minimum of 6 hours of departmental concentration courses. **An Application for Capstone must be completed by midterm of the semester before enrollment.** Summative end of program. Designed to enhance the student's undergraduate sociological or anthropological studies through involvement in guided research or field experience. Students will be required to write and present a senior paper.

SPAN: SPANISH

SPAN 1001 Beginning Spanish Language and Introduction to Hispanic Cultures, I
3-0-3

Emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions. SPAN 1001 is not open for credit to students with two or more years of high school Spanish or the equivalent.

SPAN 1002 Beginning Spanish Language and Introduction to Hispanic Cultures, II
3-0-3

Prerequisite: SPAN 1001 or the equivalent. A continuation of SPAN 1001, with emphasis on proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions.

SPAN 1111 Intensive Spanish Language and Hispanic Cultures

3-0-3

Prerequisite: Two or more years of high school Spanish or the equivalent. Emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions. SPAN 1111 is a one-semester combination of SPAN 1001 and SPAN 1002. This course is designed for those students not fully prepared for the 1002 level. SPAN 1111 reviews the concepts presented in SPAN 1001 and advances the student through the material of SPAN 1002.

SPAN 2001 Intermediate Spanish Language and Hispanic Cultures, I

3-0-3

Prerequisite: SPAN 1002 or the equivalent. Emphasis on the development of proficiency and communicative competence at the intermediate level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness and understanding of various sociocultural aspects and the distinctiveness of certain cultural traditions.

SPAN 2002 Intermediate Spanish Language and Hispanic Cultures, II

3-0-3

Prerequisite: SPAN 2001 or the equivalent. A continuation of SPAN 2001, with emphasis on proficiency and communicative competence at the intermediate level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness and understanding of various sociocultural aspects and the distinctiveness of certain cultural traditions.

SPAN 2022H Honors Intermediate Spanish Language and Hispanic Cultures

3-0-3

Prerequisite: SPAN 2001 or the equivalent. A continuation of SPAN 2001, with emphasis on proficiency and communicative competence at the intermediate level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Students will view and discuss films from various Spanish-speaking countries; they will read and discuss current issues from Internet news sources (newspapers and magazines from different countries) as well as literary selections

representative of the Hispanic cultures, including the Hispanic population of the United States; they will also participate in discussions on a variety of topics with guest speakers from various Hispanic cultures.

SPAN 3010 Conversation and Composition

3-0-3

Prerequisite: SPAN 2002 or consent of the instructor. Thematic approach to the study of speaking and writing, focusing on the development of the student's proficiency in spoken and written Spanish. Conversations will be based on communicative situations which the student would encounter in the Spanish-speaking world. Written activities will enable the student to react to typical exchanges which require written responses.

SPAN 3150 Civilization and Culture of Spain

3-0-3

Prerequisite: SPAN 2002 or consent of the instructor. Study of the religious, philosophical, geographical, historical, sociopolitical, and economic beliefs that form the identity of Spain. Emphasis will be placed on the development of the modern nation, the significance of the Golden Age in Spain's history, and the major events of the twentieth-century. The works of representative artists, composers, and writers from the various historical periods will be studied.

SPAN 3160 Civilization and Culture of Latin America

3-0-3

Prerequisite: SPAN 2002 or consent of the instructor. Study of the religious, philosophical, geographical, historical, sociopolitical, and economic beliefs that form the identity of Latin America. Emphasis will be placed on pre-Columbian societies, Discovery and Conquest, Revolutions and Dictatorships, and Contemporary Latin America.

SPAN 3200 Introduction to Hispanic Literature

3-0-3

Prerequisite: SPAN 2002 or consent of the instructor. Introduction to major representative literary works and some non-canonical texts of Spain and Latin America. The acquisition of critical and organizational skills in reading and their application to Hispanic texts will be emphasized.

SPAN 3250 Survey of Peninsular Literature

3-0-3

Prerequisite: SPAN 3200 or consent of the instructor. Study of representative literary texts from the Middle Ages to the present within their historical context. The development of poetry, drama, and narrative prose will be emphasized.

SPAN 3260 Survey of Latin American Literature I

3-0-3

Prerequisite: SPAN 3200 or consent of the instructor. Survey of selected essays, poems, short stories, and other literary works from the pre-Columbian Latin American societies, the Colonial Period, the Independence Period, and the Latin American Romantic period.

SPAN 3270 Survey of Latin American Literature II

3-0-3

Prerequisite: SPAN 3200 or consent of the instructor. Survey of selected essays, poems, short stories, and other literary works from Modernismo to the end of the twentieth century.

SPAN 4010 Advanced Grammar

3-0-3

Prerequisite: SPAN 3010 or consent of the instructor. Advanced study of the structure of the Spanish language, with emphasis on practical composition and refinement of written expression.

SPAN 4020 Advanced Conversation

3-0-3

Prerequisite: SPAN 3010 or consent of the instructor. Intensive approach to spoken Spanish based on contemporary themes.

SPAN 4110 Spanish Phonetics and Phonology

3-0-3

Prerequisite: SPAN 3010 and LING 4000, or consent of the instructor. Introduction to the phonetics and phonemics of the Spanish sound system, including but not limited to phonological analysis and transcription. Emphasis is placed on the study of those sounds found in the dialects of what has been traditionally labelled American Spanish (Mexico, Central America, and the South American highlands); however, important dialectal variations, such as those found in Caribbean and peninsular Spanish, will also be presented.

SPAN 4210 Survey of Contemporary Hispanic Theater

3-0-3

Prerequisite: SPAN 3200 or consent of the instructor. Critical consideration of the major canonical and non-canonical dramatic works in Spain and Latin America from the 1930's to the present. Readings include, from among others, the works of García Lorca, Arlt, Buero Vallejo, Usigli, Villarutia, Marqués, Gambaro, Berman, and Pedrero. Some study of the genre of theater and dramatic movements, such as Theater of the Absurd, will also be included.

SPAN 4220 Hispanic Women Writers

3-0-3

Prerequisite: SPAN 3200 or consent of the instructor. Exploration of the way in which

Hispanic women writers have created voices and identities through a variety of textual strategies. A study of the development of feminist discourse through these works will also be covered. Readings may include works from Sor Juana Inés de la Cruz, Isabel Allende, Julia de Burgos, Luisa Valenzuela, Angeles Maestretta, Rosario Castellanos, Mercé Rodoreda, Ester Tusquets, Santa Teresa de Avila, Ana María Matute, Carmen Martín Gaité, and Rosa Montero.

SPAN 4250 Twentieth Century Spanish Literature
3-0-3

Prerequisite: SPAN 3150 or consent of the instructor. Study of the genres, movements and writers most representative of the literature of Spain during the twentieth century. The course begins with the writers of the Generation of '98, continues with selected works in fiction, drama, and poetry of the years prior to and immediately following the Civil War, and concludes with examples of the literature of Spain in the last decades of the twentieth-century.

SPAN 4260 Latin American Prose: Twentieth-Century Novel

3-0-3

Prerequisite: SPAN 3160 or consent of the instructor. Study of selected Latin American novels which reflect the major trends in the development of the genre during the twentieth century.

SPAN 4270 Latin American Prose: Twentieth-Century Short Story

3-0-3

Prerequisite: SPAN 3160 or consent of the instructor. Study of selected Latin American short stories which reflect the major trends in the development of the genre during the twentieth century.

SPAN 4300 Hispanic Caribbean Literature
3-0-3

Prerequisite: SPAN 3160 or consent of the instructor. Study of the identity of the Hispanic Caribbean, drawing from literary texts of Puerto Rico, the Dominican Republic, and Cuba, in order to develop a greater understanding of the history, economics, sociology, culture, and literature of the region.

SPAN 4400 Chicano and U.S. Latino Writers
3-0-3

Prerequisite: SPAN 3160 or consent of the instructor. Study of selected works written by Chicano and U.S. Latino authors that are representative of the bicultural/bilingual culture for which they speak. Emphasis is placed on literary and cultural studies with some study and application of literary criticism.

SPAN 4900 Special Topics
3-0-3

Prerequisite: SPAN 3010 or consent of the instructor. Special topics in Spanish language or Hispanic literature, civilization, or culture. May be repeated up to a maximum of 6 hours if topics are different.

SPAN 4950 Directed Study

1-0-1 to 3-0-3

Prerequisite: SPAN 3010 and SPAN 3200 or consent of the instructor. Study in an area or topic of Spanish language or Hispanic literature, civilization, or culture not normally found in established courses offered by the department. Students may also study more extensively an area or topic covered by the departmental curriculum. May be repeated up to a maximum of 3 hours if topics are different.

SPAN 4970 Study Abroad Practicum

1-0-1

Prerequisite: SPAN 2002 or consent of the instructor. Orientation to the study abroad experience. Pre-departure sessions will focus on preparing the student to achieve the maximum learning potential from his/her stay in the selected site. Assigned readings and videos and regular discussion with the supervising instructor will familiarize the student with significant cultural practices that may differ from those of U.S. society and with geographical and historical features of the region as well as prepare him/her to function in the daily life of the community. A series of activities will be designed for the student to complete during the study abroad stay, and upon his/her return, the student will make at least three presentations related to the study abroad experience to university Spanish classes, elementary, middle or high school classes, or community organizations. The course is a requirement for all Spanish majors and minors who participate in a study abroad program. Credit for the course is in addition to other credit earned through the study abroad program.

SPAN 4980 Community Practicum

1-0-1

Prerequisite: SPAN 2002 or consent of the instructor. Supervised volunteer interpreting/translating activities in community schools, service or law enforcement agencies, or business firms. Students will learn basic interpreting/translating skills before beginning their Practicum activities and will develop specialized vocabulary appropriate to their areas of work. Weekly reports and conferences with the supervising instructor are required. Course will be repeated for credit.

SPAN 4990 Senior Seminar

1-0-1

Prerequisite: Senior Standing. Capstone

course, focused on selected special topics, designed to help students synthesize their knowledge and reinforce the skills they have acquired as Spanish majors. Required of all Spanish majors.

SPEC: SPECIAL EDUCATION

SPEC 2000 Serving Students with Diverse Needs

3-0-3

Prerequisites: Admission to Teacher Education. Introduction to major issues in the field of special education. Emphasis is placed on understanding the characteristics and etiologies of individuals with diverse needs and on identifying the qualities of home, school and community environments that support these individuals in achieving their potential. Public school observation/participation in programs for students with disabilities is required.

SPEC 3020 Applied Behavior Analysis for Teachers

3-0-3

Prerequisites: Admission to Teacher Education and SPEC 2000. A study of the general principles of applied behavior analysis including the foundations for understanding behavior, increasing appropriate behavior, and managing challenging behaviors across a variety of learning environments with individuals who have disabilities.

SPEC 3030 Collaboration in Schools/Families/Communities

2-0-2

Prerequisites: SPEC 2000. Consultation, collaboration, and communication with other professionals providing services to individuals with disabilities. Strategies that facilitate the development of interactive teams, such as effective communication skills, problem solving strategies, co-teaching, and role definition and release will be explored as they relate to providing quality educational services for individuals with disabilities.

SPEC 3040 Legal and Ethical Issues for Special Educators

3-0-3

Prerequisite: Admission to Teacher Education and SPEC 2000. A study of the legal and ethical aspects of special education and services for individuals with disabilities. Topics will include an overview of the U.S. legal system; discrimination, constitutional, statutory, regulatory issues; and case law related to special education.

SPEC 3050 Educational Evaluation of Students with Diverse Needs

3-0-3

Prerequisites: SPEC 2000, 3020, 3030, 3040. A study of the process of gathering information regarding individuals' strengths and needs for educational decision making purposes. Emphasis is placed on assessment strategies necessary for determining and monitoring curricular implementation.

SPEC 3060 Preparing Families & Students for Transitioning

3-0-3

Prerequisites: SPEC 2000, 3020, 3030. An introductory study of the concept of transition as a life long process with emphasis on how schools can best prepare youth with disabilities for the transition from school to adult life. Content topics include: research and legislation related to transition, theoretical perspectives and conceptual models, quality of life, family issues, person-centered planning, self-determination, and major approaches for providing services and supports.

SPEC 3070 Principles of Effective Instruction

3-0-3

Prerequisite: SPEC 2000 and SPEC 3020. Study of the general behavioral principles of effective instruction based on models of Direct Instruction and the effective schools literature.

SPEC 3160 Curriculum Planning for Students with Disabilities

3-0-3

A study of the philosophic and practical basis of curriculum design for individuals who require intermittent, limited, extensive of pervasive supports throughout the life cycle. The curricular approach focuses on identifying and determining the skills necessary for individuals with disabilities to function successfully in a variety of environments. Curricular planning that incorporates student access to the general education curriculum is embedded in this course.

SPEC 4000 Individualized/Independent Study

1-0-1 to 3-0-3

Study directed by faculty designed to meet identified, individual needs of students.

SPEC 4010 Individuals with Mental Retardation

3-0-3

A study of the historical and legal treatment, identification, classification, and unique characteristics of individuals with mental retardation.

SPEC 4020 Nature and Characteristics of Children and Youth with Mild Disabilities

3-0-3

Prerequisite: SPEC 2000 and satisfactory completion of the Core Curriculum. A study of the historical and legal treatment, identification, classification and unique characteristics of individuals who require intermittent and limited supports throughout the life cycle.

SPEC 4030 Curricular Planning for Individuals with Severe Disabilities

3-0-3

Prerequisite: SPEC 2000 and satisfactory completion of the Core Curriculum. A study of the philosophic and practical basis of curriculum design for individuals who require extensive and/or pervasive supports throughout the life cycle. This curricular approach results in a meaningful and functional curriculum and supportive learning environments.

SPEC 4040 Technological Support for Individuals with Disabilities

3-0-3

Prerequisite: BVED 2400. Uses of the computer hardware and software as they relate to the individualized education program and needs of individuals who require intermittent and/or limited supports.

SPEC 4051 Systematic Instruction I

3-0-3

Prerequisites: SPEC 2000 and satisfactory completion of the Core Curriculum. A study of procedures necessary to carefully plan and sequence instruction for individuals with mental retardation who require limited, extensive, or pervasive supports throughout the life cycle. Focus is placed on selecting and planning for use of effective intervention strategies and planning the use of appropriate materials.

SPEC 4052 Systematic Instruction II

3-0-3

Prerequisite: SPEC 2000 and SPEC 4051. A continuation of SPEC 4051 with an emphasis on delivering and evaluating planned instruction for individuals with mental retardation who require limited, extensive, or pervasive supports throughout the life cycle.

SPEC 4060 Application of Applied Behavior Analysis Principles to Ecological Management

2-2-3

Prerequisite: SPEC 2000 and satisfactory completion of Junior SPEC or COMD curriculum. An in depth study of the application of applied behavior analysis with an emphasis on application across a variety of learning environments with individuals who have disabilities.

SPEC 4070 Systematic Instruction

Teaching Lab I

0-4-2

Prerequisites: SPEC 2000. **Co-requisite:** SPEC 4150. University supervised placement of students in programs for individuals requiring limited, extensive, or pervasive supports throughout the life cycle. Students will apply content acquired in SPEC 4150, and will plan instruction for these individuals.

SPEC 4080 Teaching Academic and Social Skills to Students with Disabilities

3-0-3

A study of research-based instructional strategies for enhancing the ability of students with mild disabilities to acquire, retain, and demonstrate competence across academic and social content areas as addressed in the general school curriculum in Georgia.

SPEC 4081 Instructional Practicum

0-2-1

Corequisite: SPEC 4080. Application of direct instructional strategies in a university supervised placement to students with mild disabilities (learning, behavior, and/or intellectual disabilities).

SPEC 4090 Teaching Social/Community Living Skills

2-0-2

Prerequisites: SPEC 2000. **Co-requisite:** SPEC 4010. A study of effective methodologies that result in positive increases in social behaviors and community living of students with disabilities. Focus is on defining, assessing, effective teaching, and generalization of social and community living skills.

SPEC 4100 Teaching Augmentative/ Alternative Communication

2-0-2

Prerequisites: SPEC 2000, 4010, and 4050. The study of functional and efficient augmentative alternative communication systems for individuals with disabilities. The assessment and implementations of low and high technology methods in various settings with communication partners will be emphasized.

SPEC 4110 Methods and Materials for Children and Youth with Mild Disabilities

3-0-3

Prerequisite: SPEC 2000, 4020 and 4060. **Co-requisite:** SPEC 4140. A study of the application of research validated practices in the areas of educational placement, instructional and transitional planning, data management and materials utilization for students of school age who require intermittent and limited supports beyond those provided by regular education.

SPEC 4130 Physical Management Procedures for Individuals with Severe Disabilities

2-0-2

Prerequisite: SPEC 2000 and 4010. A study of physical management procedures necessary for individuals with significant physical disabilities. Emphasis is placed on techniques of handling, positioning, and feeding of these persons.

SPEC 4140 Clinical Teaching

0-2-1

Prerequisite: SPEC 2000. **Co-requisite:** SPEC 4110. A university supervised experience for the application of the content of SPEC 4110 with students of school age. The university student will be placed by the department for a minimum of four hours per week in a school setting where individuals with mild disabilities are receiving services.

SPEC 4160 Curricular Planning for Transitional Effect

2-0-2

Prerequisite: SPEC 2000 and SPEC 4020. A study of the philosophic and practical basis of curriculum design for individuals who require intermittent and/or limited supports throughout the life cycle. The curricular approach focuses on identifying and determining the skills necessary for individuals with mild disabilities to transition into environments that are typical for individuals without disabilities.

SPEC 4170 Systematic Instruction Teaching Lab II (Teaching Individuals with Severe Disabilities)

0-4-2

Prerequisites: SPEC 2000. **Co-requisite:** SPEC 4052. University supervised placement of students in programs for individuals requiring limited, intermittent, extensive, or pervasive supports throughout the life cycle. Students will apply content acquired in SPEC 4052, and will plan or deliver and evaluate instruction for these individuals.

SPEC 4180 Language Disabilities and Learning

2-2-3

Prerequisite: SPEC 2000 and SPEC 4020. The study of the oral and written language, the relationship to learning, and the impact of language learning disabilities for school age children.

SPEC 4170 Systematic Instruction

Teaching Lab II (Teaching Individuals with Severe Disabilities)

0-4-2

Prerequisites: SPEC 3010. **Corequisite:** SPEC 4050 or SPEC 4150. The university supervised placement of students in programs for individuals requiring extensive and pervasive supports throughout the life cycle. Students will apply content acquired in SPEC 4050 and SPEC 4150, and will plan or deliver and evaluate instruction for these individuals.

SPEC 4180 Language Disabilities and Learning

2-2-3

Prerequisite: SPEC 3010 and SPEC 4020. The study of the oral and written language, the relationship to learning, and the impact of language learning disabilities for school age children.

TELE: TELECOMMUNICATIONS

TELE 2000 Introduction to Mass Media

3-0-3

The study of the processes, elements, uses, and impacts of mass media, including history, development, operation, and cultural effects of books, newspapers, magazines, motion pictures, radio, television, sound recordings, and computer media.

TELE 2050 Introduction to Electronic Media Production

3-0-3

Concurrent registration for TELE 2000 is recommended. An introduction to the processes of radio and television production. Designed to provide an understanding of the concepts and applications employed in production for radio and television and to teach the basic skills required to operate the audio and video equipment utilized for radio and television production.

TELE 2100 Introduction to Broadcast Writing

3-0-3

Prerequisites: TELE 2000 and TELE 2050 or approval of department head. An introduction to the variety of standard writing styles employed by media professionals. Topics include news writing, advertising copy, public service announcements, and an introduction to copy writing formats for television and radio. Basic television scripting for short and long-form programming is also introduced.

TELE 2150 Radio Studio Production

2-2-3

Prerequisites: TELE 2050 and TELE 2100 or approval of department head. Application

of the basic skills acquired in TELE 2050. Building upon those skills, this course introduces more advanced production techniques and applications. Topics include editing and the incorporation of music, sound effects, and voice to produce effective commercial and public service announcements. Station formats, live on-air production techniques, plus news, sports, and remote production are also addressed.

TELE 3050 Broadcast Performance and Announcing

3-0-3

Prerequisites: Major status, TELE 2050, TELE 2150, and THEA 1000 or approval of department head. Application of the fundamentals of voice and articulation for effective on-air performance on both radio and television. Topics include vocal techniques and delivery styles, appearance for on-camera performance in television, audience perceptions, station sound and image, and limited voice characterizations for “voice-over” media. Required of all performance/ management track majors.

TELE 3120 L Television Studio Production I

2-4-4

Prerequisites: TELE 2050 and TELE 2100 or approval of department head. Intermediate television production focusing on the applied skills required for television production. Topics include studio operations, camera operation, control room competency, as well as scripting, producing, and directing. Pre-production, production, and post-production as they apply to television studio programs will also be addressed. Required of all production track majors.

TELE 3150 Electronic Field Production I

2-2-3

Prerequisites: TELE 2050 and TELE 2100 or approval of department head. Introduction to electronic field and remote productions, including single and multiple camera operations. Basic field camera operations, tape to tape editing, editing techniques, single/multiple camera continuity, and scripting are all addressed. The student must have a fundamental understanding of production operations before enrollment. Required of all production track majors.

TELE 3210 Broadcast Audience Analysis and Research

3-0-3

Prerequisites: Major status, TELE 2100, or approval of department head. The study of broadcast audience research as generated by Arbitron, Nielsen and regional audience research companies. Topics include ratings terms and calculations, music research studies, and focus group research. Demographic and psychographic analysis of audiences for radio and television

programming, sound research practices and principles, and research design are also addressed. The student will be expected to have completed their mathematics competency in the University core and must possess college level math skills. Required of all performance/management track majors.

TELE 3250 Broadcast Media Sales and Sales Management

3-0-3

Prerequisites: Major status and TELE 3210 or approval of department head. An introduction to the fundamentals of broadcast time sales, promotion planning, and sales office management. Topics include rate structures and rate cards, proposal and presentation development and delivery, and effective client advertising plans and promotions. Effective commercial copy writing, time and client management, cooperative advertising programs, sales forecasting and projections are also addressed.

TELE 3350 Introduction to Techniques of Videography

3-0-3

Prerequisites: Major status and TELE 3120L and TELE 3150 or approval of department head. The study and application of advanced camera techniques as applied to electronic field production. Topics include camera composition, filters, lighting perspectives, and styles.. The student should have strong basic video camera operation skills and basic editing competency.

TELE 3400 Broadcast Script Writing

3-0-3

Prerequisites: TELE 2100 or approval of department head. An advanced writing course building upon the skills acquired in TELE 2100. The student will develop a full length teleplay, screenplay or radio drama. Topics include development of treatments, plotting, sequencing, character analysis, and synopsis. The techniques required for effective scene construction, plot twists, comedic slants, dramatic tones and other advanced script writing techniques are also introduced.

TELE 3450 Media Regulation and Ethics

3-0-3

Prerequisites: Major status, completion of lower division major core, or approval of department head. A comprehensive overview of the regulatory practices of the FCC, the FTC and landmark Court cases affecting the First Amendment, broadcast regulation and libel. Major ethical perspectives will be discussed and analyzed to help the student form a foundation for decision making within an ethical framework. Required of all telecommunications majors.

TELE 3950 Directed Study

1-0-1 to 3-0-3

Prerequisite: Major status and approval of advisor, instructor, and department head. Individualized study in an area or subject not normally found in established courses offered by the department, may also allow the student to explore in more detail a topic which is normally covered by the department.

TELE 4030 Selected Topics in Mediated Communication

1-0-1 to 3-0-3

Prerequisites: TELE 2050 and TELE 2100 or approval of department head. Intensive study of a topic relevant to broadcast media. The introduction of alternative approaches to the study of media themes, applications, trends and media issues. Provides an opportunity to explore other topics outside the prescribed curriculum of Telecommunications. Offerings will reflect current issues relevant to those students interested in a specific area of interest.

TELE 4120L Television Studio Production II

2-4-4

Prerequisite: TELE 3120L and TELE 3150 or approval of department head. Advanced television production focusing on the hands-on application of skills acquired from prior courses in television for the construction of television programs. Students are expected to enter with a working knowledge of the television studio as the course is rigorous and labor intensive, and the programs produced by the student are expected to be of broadcast quality. Optionally required of all production track majors.

TELE 4150L Electronic Field Production II

2-4-4

Prerequisite: TELE 3120L and TELE 3150 or approval of department head. Advanced field production involving field shoots, remote shoots, and editing. Advancing technologies in the area of post-production editing will be introduced and students will be responsible for development of script ideas, scheduling, and project completions on time scales. The class is labor intensive. Optionally required of all production track majors.

TELE 4240L Television Directing and Producing

2-4-4

Prerequisite: TELE 3120L and TELE 3150 or approval of department head. Advanced television production allowing for the free flow of development and construction of television programming. The student can either produce programming specifically via the studio or by way of field/post-production. Requires thoughtful articulation of project proposals which must be submitted to the instructor within the first five

class meetings. Required of all production track majors.

TELE 4250 Broadcast Radio Programming
3-0-3

Prerequisites: Major status, TELE 3210, TELE 3450, or approval of department head.

A comprehensive overview of radio station programming practices. Topics include station formats from early "top 40" to the current, basic principles of music format selection, personality development, promotion, and the growth of "narrowcasting." Required of all performance/management track majors.

TELE 4330 Broadcast Management and System Operations
3-0-3

Prerequisites: Major status, TELE 3210, TELE 3450, or approval of department head. Completion of TELE 3250 is recommended.

The study of the practices and principles involved in television and radio station and cable system management and operations. Topics include development and administration of budgets, station focus and community image, inventory control and pricing, regulatory concerns, and ethical practices. Scheduling, personnel conflicts and resolutions, and technology advances are also addressed. Required of all performance/management track majors.

TELE 4350 Broadcasting and Culture
3-0-3

Prerequisites: Major status and completion of either the performance or production track. A critical examination of the broadcast media with emphasis on the connections between the message, the medium, society and culture. This synthesis will help the student develop a clearer understanding of uses and gratifications, society's relation to media, and how media may effect the society of whose culture it is a part. In conjunction with TELE 4400 and TELE 4950, this course serves as a co-capstone for the student's study in this major.

TELE 4400 Media Criticism
3-0-3

Prerequisites: Major status and completion of either the performance or production track. An introduction to the theoretical and practical study of the critical examination of media. Includes describing, interpreting, and judging mediated messages utilizing critical methods. Will make personal the variety of approaches to media criticism and how they can be applied creatively to reconsider assumptions which undergird perceptions of broadcast radio and television. In conjunction with TELE 4350 and TELE 4950, this course serves as a co-capstone for the student's study in this major.

TELE 4500 World Wide Web and Mass Communications
3-0-3

Prerequisites: Must be proficient in word processing and have a basic knowledge of computers. The World Wide Web from a mass communication perspective and the Web's impact on traditional media.

TELE 4550 Electronic Media and Internet Advertising
3-0-3

An introduction to radio, television, and internet advertising.

TELE 4950 Senior Seminar
1-0-1

Prerequisites: Senior status with no more than 7 hours of required course work remaining in the telecommunication emphasis (excluding TELE 4950). A seminar bringing together all second semester seniors, focusing on student contribution to discussion and critiques of his/her fellow student's portfolio presentation and defense of his/her work in the program as evidenced by the materials placed into his/her portfolio during progress through the major. Examples of writing and creative endeavor will be presented and critically analyzed. The student will also successfully complete a comprehensive proficiency exit interview.

TELE 4960 Performance and Production Workshop
0-2-1 to 0-4-2

Prerequisites: Prior to the first enrollment in TELE 4960, students will be expected to have completed both TELE 2000 and TELE 2050. Student participation in the production of programming for WVVS, the student owned campus radio station, WWET, the local Peach State Public Radio station, and VSU-TV 12, the University programmed cable access channel. Students will be expected to successfully complete a total of five (5) performance workshops with a grade of C or better.

TELE 4970 Internship
3-0-3 to 9-0-9

Prerequisite: Major and senior status; approval of faculty internship director. The placement of students in apprentice and intern positions in professional environments including radio and television stations and other telecommunication industry organizations in order to enlarge the student's professionalism. May only be taken during the student's final two semesters. (Grading is on a satisfactory/unsatisfactory scale.)

THEA: THEATRE

THEA 1000 Voice and Diction

3-0-3

Application of the International Phonetic Alphabet's vowel and consonant symbolization for production of Standard American Speech with emphasis on resonance, breath control, vocal relaxation, and posture using a variety of contemporary approaches to vocal training.

THEA 1100 Theatre Appreciation

3-0-3

Survey and appreciation of theatre as a performing art; introduction to and improvement of critical and aesthetic evaluation of theatrical performances, including the contributions of the playwright, the actor, the director, the designer, and the audience member.

THEA 1710 Improvisation

0-2-1

Application of the principles of improvisation both as an actor-training approach and as a rehearsal technique.

THEA 2110 Stage Dialects

3-0-3

An exploration of dialects frequently used in performance, based on an understanding and usage of the International Phonetic Alphabet.

THEA 2730 Theatrical and Film Makeup

1-2-2

An introduction to design principles and color theory, with practical experience in makeup mixing, design, and application.

THEA 2750 Basic Technical Theatre and Stage Lighting

3-0-3

An introduction to stagecraft and stage lighting, including the tools, materials, equipment, and techniques used for the construction of scenery, properties, and basic lighting for the stage.

THEA 2800 Fundamentals of Acting

3-0-3

An introduction to the principles of acting, including proper preparation for acting, physical and vocal control and flexibility, and the analysis and creation of character.

THEA 2810 Basic Stage Movement

2-0-2

The principles of physicalizing characters through movement, by developing a kinesthetic awareness and an understanding of gesture, bodily expression, and basic unarmed combat.

THEA 2830 Armed Stage Combat

0-2-1

An introduction to the use of weapons on the stage, including swords, knives, and guns, as well

as their application in stage violence and fight choreography.

THEA 2840 Stage Management

2-0-2

An introduction to the principles and practices of stage management; an investigation into the role of the stage manager in theatre production.

THEA 3090 VSU Interpreters

0-2-1

Performance-based activities in Oral Interpretation emphasizing group performance; choral and solo readings. Membership open to all VSU undergraduate students. May be repeated for credit.

THEA 3100 Directed Study

3-0-3 to 9-0-9

Individual instruction for enrichment of advanced majors in their areas of specialization.

THEA 3700 Play Analysis for Production

3-0-3

An overview of the major genres of dramatic literature with an emphasis on the impact of critical evaluation on the work of the director, the actor, and the designer.

THEA 3710 Theatre Performance

0-2-1

Application of performance techniques in approved VSU theatrical productions. Selection by audition or approval of the instructor. May be repeated for credit.

THEA 3720 Theatre Production

0-2-1

Directed experience in technical theatre. Students will participate in the building of scenery or costumes for theatre productions. Course may be repeated for credit.

THEA 3740 Theatre Management

3-0-3

An investigation of current approaches to theatrical production including budget preparation, financial management, audience engineering, and promotional techniques used in American commercial, nonprofit professional, educational, and community theatres.

THEA 3750 Costume History

3-0-3

A survey of costume from ancient Greek to modern times, with emphasis on historically significant theatrical periods.

THEA 3760 Lighting Design

3-0-3

A study of lighting design for its use in theatrical productions, including the use of color, composition, and instrumentation. Emphasis is placed on design being an element in the overall design concept for a production.

THEA 3770 Costume Design

3-0-3

Prerequisite: THEA 3750. An introduction to

the principles and elements of design and their relation to stage costume. The student will learn how to communicate design choices both visually and verbally.

THEA 3780 Scene Design
3-0-3

Prerequisite: THEA 2750. An understanding of the role of the scenic designer through an exploration of design principles, art media, and skills necessary for communicating ideas and solutions with theatre artisans.

THEA 3800 Scene Study
3-0-3

Prerequisite: THEA 2800 or approval of department head. The advanced study of scene analysis, rehearsal techniques and audition preparation using material primarily from the Modern Theatre repertory with application of the study in performance situations.

THEA 3880 Theatre History I
3-0-3

Prerequisite: Completion of Area F or approval of department head. The study of the development of theatre from its origins up to the 18th century with emphasis on dramatic theory, playwriting styles, theatrical production styles, physical theatres, and the impact of theatre on society.

THEA 3890 Theatre History II
3-0-3

Prerequisite: Completion of Area F or approval of department head. The study of the development of theatre from the 18th century to the present with emphasis on dramatic theory, play writing styles, theatrical production styles, physical theatre, and the impact of theatre on society.

THEA 3950 Fundamentals of Play Directing
3-0-3

The study of the role of the director in theatrical production, including practical application of theories in classroom exercises.

THEA 4010 Advanced Oral Interpretation
3-0-3

Application of oral interpretation skills in choral reading and Reader's Theatre. Emphasis is placed on the vocalization of the script rather than traditional theatrical staging. Open as an elective to all VSU undergraduate students.

THEA 4030 Special Topics in Theatre
1-0-1 to 3-0-3

The study of specific topics in theatre not covered in existing courses. May be repeated for credit if different topics are studied.

THEA 4270 Play Writing
3-0-3

An overview of the principles of writing for theatrical production with primary emphasis on the

development of the structure for both one act and full length play scripts.

THEA 4760 Principles of Technical Theatre
3-0-3

Prerequisite: THEA 2750. Advanced study of the principles and techniques of technical theatre needed to engineer and complete the requirements for a theatrical productions, including rigging, welding, advanced construction technology, as well as special problems which arise in the execution of a set design.

THEA 4770 Scene Painting
3-0-3

An introduction to basic scene painting techniques, paint media, and materials.

THEA 4790 Portfolio and Resume Presentation
2-0-2

Prerequisite: Senior Standing with a major in Theatre. Assembly and presentation of a portfolio and resume for professional use. The course is designed to assist the graduating student in preparation of materials needed for job placement or graduate school admission.

THEA 4800 Period Styles of Acting
3-0-3

Prerequisites: THEA 2800. The study of pre-modern acting styles and application of the styles in a series of class scene performances.

THEA 4810 Musical Theatre Technique
3-0-3

Prerequisite: THEA 2800 or approval of department head. The advanced study of scene analysis, rehearsal techniques and audition preparation using materials from the Musical Theatre repertory with application of the study in performance situations.

THEA 4900 Children's Theatre and Creative Dramatics
3-0-3

A survey of the development of theatre for young people, recreational drama, and creative dramatics with emphasis on critical and dramatic literature, and applied techniques in working with child performers and audiences.

THEA 4970 Internship in Theatre
0-6-3 or 0-12-6 or 0-18-9

Prerequisite: Senior Standing. The placement of students in apprentice and intern positions in professional environments.

THEA 4980 Theatre Tour
3-0-3

The placement of students in touring positions conducted in a professionally oriented environment and involving the preparation and presentation of productions for regional and/or local audiences. This placement is to enlarge the student's professionalism. Admission to the tour is by audition only.

VOED: VOCATIONAL EDUCATION

VOED 2900 Basic Theory in Vocational Education

3-0-3

Reserved for the granting of academic credit based on either successful completion of the National Occupational Competency Examination (NOCTI Examination), approved professional licensure, or experiential credit based on past work experience. Requires approval of academic advisor prior to registration.

VOED 2950 Basic Skills in Vocational Education

3-0-3

Reserved for the granting of academic credit based on either successful completion of the National Occupational Competency Examination (NOCTI Examination), approved professional licensure, or experiential credit based on past work experience. Requires approval of academic advisor prior to registration.

VOED 2960 Intermediate Skills in Vocational Education

3-0-3

Reserved for the granting of academic credit based on either successful completion of the National Occupational Competency Examination (NOCTI Examination), approved professional licensure, or experiential credit based on past work experience. Requires approval of academic advisor prior to registration.

VOED 3500 Beginning Vocational Teacher Competency Development

3-0-3

Reserved for the granting of academic credit based on either successful completion of the National Occupational Competency Examination (NOCTI Examination), approved professional licensure, or experiential credit based on past work experience. Requires approval of academic advisor prior to registration.

VOED 3510 Advanced Theory in Vocational Education

3-0-3

Reserved for the granting of academic credit based on either successful completion of the National Occupational Competency Examination (NOCTI Examination), approved professional licensure, or experiential credit based on past work experience. Requires approval of academic advisor prior to registration.

VOED 3520 Advanced Skills in Vocational Education

3-0-3

Reserved for the granting of academic credit based on either successful completion of the National Occupational Competency Examination (NOCTI Examination), approved professional licensure, or experiential credit based on past work experience. Requires approval of academic advisor prior to registration.

VOED 3600 History and Philosophy of Vocational Education

3-0-3

Historical and philosophical development of vocational education. Emphasis on economic and social impact, issues, trends, principles, and objectives of vocational education, and its relationship to other educational programs.

VOED 3650 Vocational Education for Learners with Special Needs

3-0-3

Provides insight into the identification and characterization of learners with special needs, assessment of their individual needs, and the teaching strategies necessary to meet their identified needs by establishing a positive learning environment. Emphasis is placed on planning programs to develop the potential of special needs learners at the secondary and postsecondary levels.

VOED 3850 Principles of Adult Education

3-0-3

Provides insight into the unique opportunities and challenges of the adult learner as examined in a learning setting. Concepts, theories, and practices will provide students with opportunities to manage pertinent issues, problems, and possible solutions in their work as instructors of adult learners. Emphasis is given to understanding the effect this knowledge has on the teaching-learning process in adult education.

VOED 3860 Program Development in Adult and Continuing Education

3-0-3

Insight into, and working knowledge of, the field of adult and continuing education programming. Emphasis is given to understanding the practical and theoretical foundations upon which adult program formation is based, and reflects the needs and interests of the individual, recreation leisure community, and industry.

VOED 4400 New Vocational Teacher Institute

6-0-6

Specifically designed for, and limited to, new secondary vocational teachers participating in a summer New Vocational Teacher Institute. Emphasis is on methods of teaching and vocational curriculum development.

VOED 4420 Advanced New Vocational Teacher Institute
3-0-3 to 6-0-6

Follow-up course for participants in VOED 4400 or for experienced secondary vocational teachers. Emphasis is on foundations of vocational education and/or classroom management strategies.

VOED 4510 Curriculum Development in Vocational Education

3-0-3

Principles and procedures for analyzing, describing, and classifying occupations; selecting and sequencing program objectives, units, and tasks, and specifying instructional outcomes. Emphasis is placed on actual occupational analysis and breakdown of responsibilities.

VOED 4550 Health and Safety in the Work Environment

3-0-3

Acquaints students with health and safety issues in technical occupations. Emphasis will be on safety regulations, agencies, codes, health issues, environmental concerns in industry, and ergonomic environmental factors in the workplace.

VOED 4560 Safety and Liability in the Vocational Classroom

3-0-3

Investigation of safety in a classroom/laboratory setting, the need for appropriate safety programs, planning a safe environment, and addressing teacher and student liability issues. Emphasis is placed on planning programs that employ accident prevention methodology and foster liability awareness.

VOED 4600 Individualizing Instruction in Vocational Education

3-0-3

Individualized techniques of instruction in vocational settings, pretesting instruments, preparation of materials, and evaluation of instruction.

VOED 4670 Techniques of Student Evaluation in Vocational Education

3-0-3

Principles and methods of measurement and evaluation in vocational programs, emphasizing the administration, scoring, and interpretation of written and performance tests.

VOED 4690 Methods of Instruction in Technical, Trade and Industrial Education

3-0-3

Methods of effective teaching in the Technical, Trade and Industrial classroom and laboratory. Emphasis is placed on the instructor's role in the classroom and the delivery of content.

VOED 4700 Instructional Materials Development in Technical, Trade and Industrial Education

3-0-3

Principles and procedures for planning and de-

veloping both print-based and non-print instructional materials for use in the Technical, Trade and Industrial classroom and laboratory.

VOED 4780 Internship in Teaching Vocational Programs

6

Prerequisite: Completion of appropriate methods and curriculum classes. Six hours per semester for a maximum of two semesters. (Graded satisfactory or unsatisfactory.)

VOED 4810 Workplace Essentials

3-0-3

Analysis of the workplace skills needed in a rapidly changing technological society. Emphasis on adaptability, creative thinking, group effectiveness, developmental skills, organizational development, and linking outcomes to job performance.

VOED 4820 Project Management for Technical Professionals

3-0-3

Provides an introduction to the process of project management. Focus is on building the students' understanding of the tools and strategies available to facilitate the management of multiple ongoing projects within a technical environment. Topics include: planning systems, strategic and operational planning, mission and vision statements, performance objectives, time and course estimation, diagramming techniques, and performance monitoring through control systems.

VOED 4900 Special Topics in Business/ Vocational Education

3-0-3

Prerequisite: Consent of the department head. An intensive study of a topic relevant to Business and Vocational Education.

VSU (FRESHMAN ORIENTATION)

VSU 1101 Freshman Seminar I

2-0-2

Open only to first-year and first-semester transfer students. Introduction to lifelong learning with emphasis on college study skill strategies. Topics include: Learning styles, time management, learning and memory skills, learning from texts and lectures, note taking, objective and essay examinations, and critical thinking skills.

VSU 1102 Freshman seminar II

2-0-2

Prerequisite: VSU 1101. Open only to students in their first 45 hours in residence at VSU. Continuation of Freshman Seminar I with emphasis on empowering students to make responsible choices in college and in life. Includes practical and self-reflective exercises

in promoting growth and change. Related topics include: Computer information technology, personal and leadership development, service learning, diversity and career development.

WOMEN'S STUDIES

WMST 2010 Women in the Humanities

3-0-3

Interdisciplinary approach to Women in the Humanities, it will explore representations of women and aesthetic works by women. Diversity is a central concern of this course. An understanding of how racism, classism, and ethnocentrism affect people will be incorporated into each component of the course.

WMST 2020 Race, Class, and Gender

3-0-3

Also offered as African American Studies 2020. An exploration of social class, gender, and racial/ethnic relations as distinct, but linked dimensions of social inequality. Includes an examination of the historic underpinnings of discrimination by race, class, and gender and the present status of these issues.

WMST 3000 Introduction to Women's Studies

3-0-3

An exploration of the diversity of women's lives through essays, readings, and the study of scholarly theories and research. The course will examine a wide range of social issues which affect the status of women in an historical context and in contemporary society.

WMST 3010 Women in Ancient Greece and Rome

3-0-3

Also offered as HIST 3010. Issues of particular relevance to women in Greek and Roman society and their modern parallels. Topics include: social, political and legal rights; the family, marriage, and children; health issues; women and work.

WMST 3020 The Status of Women:

Historical Perspectives

3-0-3

Also offered as HIST 3020. Women in the Western historical tradition with emphasis upon historiographical methods for working women's lives. Primary source materials reveal the evolution of women's views of themselves, first as expressed by men, then by women as they begin to speak of themselves.

WMST 3600 Women and Religion

3-0-3

Also offered as REL 3600. An introduction to historical, theological, spiritual and liturgical dimensions of women's experience within reli-

gious traditions. Research opportunities increase students' awareness of the implications of gender as an interpretive category.

WMST 4220 Hispanic Women Writers

3-0-3

Also offered as SPAN 4220. Exploration of the way in which Hispanic women writers have created voices and identities through a variety of textual strategies. A study of the development of feminist discourse through these works will also be covered. Readings may include works from Sor Juana Inés de la Cruz, Isabel Allende, Julia de Burgos, Luisa Valenzuela, Angeles Maestretta, Rosario Castellanos, Mercé Rodoreda, Ester Tusquets, Santa Teresa de Avila, Ana María Matute, Carmen Martín Gaité, and Rosa Montero.

WMST 4261 Women in the U.S. to 1869

3-0-3

Also offered as HIST 4261. A study of United States history from the perspective of women. Includes social, cultural, political, intellectual, and economic aspects of the nation's history, more specifically, the ways women shaped and were influenced by various events and movements in U.S. history from the Colonial period to 1869

WMST 4262 Women in the U.S., 1869 to the Present

3-0-3

Also offered as HIST 4262. A study of United States history from the perspective of women. Includes social, cultural, political, intellectual, and economic aspects of the nation's history, more specifically, the ways women shaped and were influenced by various events and movements in U.S. history from 1869 to present.

WMST 4270 History of Women in the U.S. South

3-0-3

Also offered as HIST 4270. A study of U.S. southern history from the perspective of women; a look at the contributions of women to southern social, religious, political, and intellectual growth; at the ways class, race, gender, and region interact to form a distinct identity among southern women; at the variety of ways consciousness (self, social, and political) is experienced by women in the U.S. South.

WMST 4280 U.S. Women in Religion, Reform, and Radical Activism

3-0-3

Also offered as HIST 4280. Examines the ways women contributed to, influenced, and controlled religion, religious movements, reform efforts, radical thinking, and activism throughout U.S. history, and the ways religion, reform, and activism shaped political and social consciousness in general and a feminist consciousness specifically.

WMST 4400 Women's Studies Seminar**3-0-3**

Prerequisite: WMST 3000 and at least two WMST 3000-level course electives. Capstone to the Women's Studies Minor. It serves to integrate the student's knowledge acquired from various disciplinary perspectives. Through discussion, papers, and oral presentations, students will explore the way in which Women's studies may apply to their own disciplines.

WMST 4500 Directed Study**3-0-3**

Prerequisite: WMST 3000 and permission of the Director. An interdisciplinary study designed in consultation with one or more instructors and/or departments participating in Women's Studies.

Additional Courses: Learning Support

ENGL 0099 Developmental English**4-0-4**

A composition course focusing on skills required for effective composition of timed essays and designed primarily for students who fail the essay portion of the Regents' Testing Program.

MATH 0097 Developmental Math**4-0-4**

Basic algebra skills for students with insufficient preparation.

MATH 0099 Developmental Math**4-0-4**

Prerequisite: MATH 0097. A continuation of developmental algebra skills for students who successfully completed MATH 0097.

READ 0099 Developmental Reading**4-0-4**

Basic reading skills for students who have not demonstrated a level of reading ability sufficient for college work.

RGTE 0197 Regents' Test: Essay**0-0-0****RGTE 0199 Regents' Test Preparation Essay****2-0-2**

A composition course focusing on skills required for effective composition of timed essays and designed primarily for students who fail the essay portion of the Regents' Test.

RGTR 0196 Regents' Test: Reading**0-0-0****RGTR 0198 Regents' Test Preparation Reading****2-2-3**

Reading comprehension and vocabulary designed primarily for students who have not completed the Regents' Test requirement by the prescribed time.