

ISCI 2001
Life and Earth Science for Early Childhood Education Teachers
3SEMESTER HOURS

Dewar College of Education
Valdosta State University
Department of Early Childhood and Special Education
Conceptual Framework: Guiding Principles (DEPOSITS)
(adapted from the Georgia Systemic Teacher Education Program Accomplished Teacher Framework)

Dispositions Principle: Productive dispositions positively affect learners, professional growth, and the learning environment.

Equity Principle: All learners deserve high expectations and support.

Process Principle: Learning is a lifelong process of development and growth.

Ownership Principle: Professionals are committed to and assume responsibility for the future of their disciplines.

Support Principle: Successful engagement in the process of learning requires collaboration among multiple partners.

Impact Principle: Effective practice yields evidence of learning.

Technology Principle: Technology facilitates teaching, learning, community-building, and resource acquisition.

Standards Principle: Evidence-based standards systematically guide professional preparation and development.

REQUIRED TEXTBOOKS

Tillery, B., Enger, E. & Ross, F. (2013, 6th ed.). New York: McGraw-Hill. *Integrated Science*

Alden & Nelson (1999) *Science Field Guide to the Southeastern States* Knopf
Other readings as assigned.

COURSE DESCRIPTION

An integrated overview of the core life and earth science content covered in the K-5 Georgia Performance Standards. Topics include the solar system, earth processes, and characteristics of living organisms, biodiversity, and the natural history of Georgia.

COLLEGE OF EDUCATION CONCEPTUAL FRAMEWORK STANDARDS (CFS)

(identify those that apply to the course)

- I. **CONTENT AND CURRICULUM:** Educators demonstrate a strong content knowledge of content area(s) that is appropriate for their certification levels.
- II. **KNOWLEDGE OF STUDENTS AND THEIR LEARNING:** Educators support the intellectual, social, physical, and personal development of all students.
- III. **LEARNING ENVIRONMENTS:** Educators create learning environments that encourage positive social interaction, active engagement in learning, and self-motivation.
- IV. **ASSESSMENT:** Educators understand and use a range of formal and informal assessment strategies to evaluate and ensure the continuous development of all learners.
- V. **PLANNING AND INSTRUCTION:** Educators design and create instructional experiences based on their knowledge of content and curriculum, students, learning environments, and assessment.
- VI. **PROFESSIONALISM:** Educators recognize, participate in, and contribute to teaching and learning as a profession.

LEARNING OUTCOMES FOR VSU'S CORE CURRICULUM

All learning outcomes in the major continue to build upon those in VSU's Core Curriculum listed at <http://www.valdosta.edu/gec/ProposedNewLearningOutcomes.shtml>.

COURSE OBJECTIVES (CO):

The student will:

- A. Demonstrate an understanding of the essential science content for teaching in the early childhood classroom (1)
- B. Demonstrate an understanding of the essential science processes for teaching in the early childhood classroom (2)
- C. Demonstrate an awareness of community resources and their uses in teaching

- science in the early childhood classroom (3)
- D. Demonstrate the ability to use common scientific lab equipment for measuring selected basic and derived units (4)
- E. Demonstrate an understanding of appropriate science concepts through quantitative means and problem solving activities. (5)

COURSE ACTIVITIES/ASSIGNMENTS/REQUIREMENTS

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Tests	(CO 1, 5)
Lab activities	(CO 2, 3, 4, 5)
Field trips	(CO 3)
Science GPS presentation	(CO 1, 2) Final
Exam	(CO 1, 2, 3)
Notebook	(1, 2, 3, 4, 5)

Assigned readings are to be completed prior to class. Major concepts and points of information will be presented in class; however the student is expected to read each assignment fully. Specific assignment may be given for some readings. They will be due completed at the start of class. In-class discussions will provide an opportunity for the student to both raise questions and contribute to the progress of the class as a whole.

COURSE EVALUATION

Tests and practical exams	40% Lab
reports/reflections/activities/assignments	10%
Field trips. reflective response/report or other activities	10%
Science GPS presentation (group)/service/rubric	10%
Final Exam	20%
Notebook/rubric	10%

ATTENDANCE POLICY

The classes will follow the accepted VSU policy for attendance. "The University expects that all students shall attend all regularly scheduled class meetings held for instruction or examination....A student who misses more than 20% of the scheduled classes of a course will be subject to receiving a failing grade in the course." (Valdosta State University Undergraduate Catalog)

PROFESSIONALISM

As a teacher candidate, you are expected to conduct yourself in the professional educator role as defined by the Georgia Professional Standards Commission Code of Ethics for Educators. You will be provided with a copy of the Code of Ethics for Educators which can be found on the following URL <http://www.gapsc.com/Ethics/NEthics.asp> Failure to follow the Code of Ethics will result in disciplinary actions through the College of Education Concern Form process.

DEWAR COLLEGE OF EDUCATION POLICY STATEMENT ON PLAGIARISM

Below is information directly quoted from the Academic Honesty Policies and Procedures:

Academic integrity is the responsibility of all VSU faculty and students. Faculty members should promote academic integrity by including clear instruction on the components of academic integrity and clearly defining the penalties for cheating and plagiarism in their course syllabi. Students are responsible for knowing and abiding by the Academic Integrity Policy as set forth in the Student Code of Conduct and the faculty members' syllabi. All students are expected to do their own work and to uphold a high standard of academic ethics.

The full text of Academic Honesty Policies and Procedures is available on the Academic Affairs website (<http://www.valdosta.edu/academic/AcademicHonestyatVSU.shtml>).

The consequences for acts of academic dishonesty in the Dewar College of Education are:

FIRST OFFENSE:

1. The faculty member will administer an academic response (e.g. resubmit / retake assignment, failure of the assignment, failure of the course).
2. The faculty member will complete a Dewar College of Education Concern Form (<http://www.valdosta.edu/coe/studentsinfo.shtml>).
3. The faculty member will complete a Valdosta State University Report of Academic Dishonesty (<http://www.valdosta.edu/academic/AcademicHonestyatVSU.shtml>).

SECOND OFFENSE:

1. The faculty member will administer an academic response (e.g. resubmit / retake assignment, failure of the assignment, failure of the course).
2. The faculty member will complete a Dewar College of Education Concern form (<http://www.valdosta.edu/coe/studentsinfo.shtml>). The Dewar College of Education Concern Form Policy will be followed.
3. The faculty member will complete a Valdosta State University Report of Academic Dishonesty (<http://www.valdosta.edu/academic/AcademicHonestyatVSU.shtml>). According to the Academic Honesty Policies and Procedures document, "after a second

(or subsequent) Report of Academic Dishonesty has been submitted to the Student Conduct Office in the Dean of Students Office, official charges will be drawn up and the disciplinary matter will be referred to the Valdosta State University Judicial Committee.”

ACCESSIBILITY STATEMENT

Valdosta State University is an equal opportunity educational institution. It is not the intent of the institution to discriminate against any applicant for admission or any student or employee of the institution based on the age, sex, race, religion, color, national origin, disability, or sexual orientation of the individual. It is the intent of the institution to comply with the Civil Rights Act of 1964 and subsequent Executive Orders as well as Title IX, Equal Pay Act of 1963, Vietnam Era Veterans Readjustment Assistance Act of 1974, Age Discrimination in Employment Act of 1967, and the Rehabilitation Act of 1973.

Students with disabilities who are experiencing barriers in this course may contact the Access Office for assistance in determining and implementing reasonable accommodations. The Access Office is located in Farber Hall. The phone numbers are 229-245-2498 (V), 229-375-5871 (VP) and 229-219-1348 (TTY). For more information, please visit <http://www.valdosta.edu/access> or email: access@valdosta.edu.

STUDENT OPINION OF INSTRUCTION

At the end of the term, all students will be expected to complete an online Student Opinion of Instruction survey (SOI) that will be available on BANNER. Students will receive an email notification through their VSU email address when the SOI is available (generally at least one week before the end of the term). SOI responses are anonymous, and instructors will be able to view only a summary of all responses two weeks after they have submitted final grades. While instructors will not be able to view individual responses or to access any of the responses until after final grade submission, they will be able to see which students have or have not completed their SOIs, and student compliance may be considered in the determination of the final course grade. These compliance and non-compliance reports will not be available once instructors are able to access the results. Complete information about the SOIs, including how to access the survey and a timetable for this term is available at

<http://www.valdosta.edu/academic/OnlineSOIPilotProject.shtml>.

INSTRUCTOR

Name:

Office Number:

Telephone Number:

Email Address:

Office Hours:

Website: