Online Math 1111
Departmental Course Syllabus

Information for the instructor

The following are the core objectives for this course that are assessed at the University level.

VSU General Education Outcomes:

Area A2: Students will demonstrate mathematical proficiency by analyzing a variety of functions and solving various equations

Critical Thinking: Students will identify, evaluate, and apply appropriate models, concepts, or principles to issues, and they will produce viable solutions or make relevant inferences.

Topics & Suggested Pacing Guide---Course Outline: (Not including Testing & Review)

Modules	Topics	Suggested Days
Module 1- P1/P2/P3/P4/P5/P6	Algebraic Expressions-**OMIT: Theory of Sets-Union and Intersection**, Exponents[1]-**Scientific Notation: Converting decimals to Scientific and Scientific to Decimals only**, Radicals[1] and Rational Exponents, Polynomials, Factoring, Rational Expressions	7 days
Module 2- 1.1/1.2/1.3/3.7/1.4/1.5	Graph of an Equation, Solving Linear Equations, Solving Rational Equations, Applications with Linear Equations, Modeling Using Variation, Complex Numbers, Quadratic Equations	7 days
Module 3- 2.8/1.6/1.7/2.1/2.2	Distance and Midpoint Formulas; Circles, Other Type of Equations, Linear Inequalities and Absolute Value Inequalities, Basics of Functions and their Graphs, More on Functions and their Graphs	7 days
Module 4- Mid-term Exam	Prepare for the Mid-Term Exam by Reviewing Modules 1, 2, and 3.	4 days
Module 5- 2.3/2.4/2.5/5.1/2.5/2.6/2.7	Linear Functions and slope, More on Slope, System of Linear equations in two Variables, Transformation of Functions, Combinations of Functions, Inverse Functions	7 days
Module 6- 3.1/3.2/3.5/3.6	Quadratic Functions, Polynomial Functions of higher degree than 2, Rational Functions and Asymptotes, Graphs of Rational Functions, Solving Polynomial Inequalities, Solving Rational Inequalities	7 days
Module 7- 4.1/4.2/4.3/4.4/4.5	Exponential Functions[2], Logarithmic Functions[2], Properties of Logarithms, Exponential Equations, Logarithmic Equations, Applications of Exponential and Logarithmic Functions, Solving Linear Systems of Equations	7 days
Module 8- Final Exam Week	Prepare for the Final Exam by Reviewing Modules 1, 2, 3, 5, 6, and 7.	4 days
Notes [1]Fundamentals only [2]Include emphasis on asymptotic behavior	Every instructor must include applications of the following type: Simple & Compound Interest Mixture Direct, Indirect, and Joint Variation Exponential Growth and Decay	

****Listed below is information for the syllabus**

****Information for the Academic Integrity section:**

Academic Integrity: Instructors should provide a statement explaining their expectations for academic integrity and detailing how incidents of cheating and plagiarism will be handled in the class.

From VSU's Academic Integrity Code (the full code is available at http://www.valdosta.edu/academics/academic-affairs/vp-office/academic-honesty-policies-and-procedures.php "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."

****Information for the SOI Statement:**

Sample SOI Syllabus statement

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 through SmartEvals. 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 to instructors/administrators. Instructors will be able to view only a summary of all responses after they have submitted final grades. While instructors will not be able to view individual responses or to access any of the data until after final grade submission, they will be able to see which students have or have not completed their SOIs. 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, is available on the SOI Procedures webpage.

****Information about withdrawals:**

Undergraduate students are limited to 5 course withdrawals during their enrollment at VSU, and may withdraw "passing" before Midterm. Students must initiate the withdrawal using Banner. 6 or more withdrawals will be changed to WF – withdraw failing and is calculated in the student's GPA as an "F". Students cannot withdraw after Midterm unless

the student is leaving school entirely, which is referred to as a "hardship withdrawal." The student needs to see the Dean of Students to initiate a hardship withdrawal.

Additional Instructor Information

Drop versus Withdraw: At VSU, a "drop" is part of the normal registration process. Students can register for their classes as they desire when Banner is open for registration. The last registration period for Fall and Spring generally ends on the fifth day of the semester (Friday), so students can add and drop courses up until that point with no help needed from anyone. If a student drops a course, then she/he does not have to pay fees for that course. For students who attend class beyond the first week of class, a withdraw is appropriate, not a drop. Students can use Banner to withdraw from class up until midterm without anyone's permission. When a student withdraws, they do not get a reimbursement of fees, and the withdraw counts toward the student's five-withdraw maximum.

Of course, that's the ideal. Now the Registrar's Office also has a Late Registration Add/Drop Form that it provides students to add/drop a course from their schedule after the online registration period. This seems like mixed signals, but the paper form is only supposed to be used in extenuating circumstances. If a student brings a drop/add form for you to sign as the instructor of the course being added or dropped, then please carefully read the instructions on the form. According to the drop instructions on the form, if a student has attended class "beyond the online registration period," which ends on the fifth day of the semester (Friday), then we are not supposed to allow the student to drop at this point. Generally, if a student has an extenuating reason on the form and you wrote "N" to state that the student has not attended the class, then the department head signs the form and the form successfully makes it through the bursary and registrar's.

For more information, see the "Drop versus Withdrawal" document on the network V: drive in the MathCS\Syllabi folder.

Academic Calendar: For important dates for each semester (last day for drop/add, proof rolls, midterm, exam schedule**)** http://www.valdosta.edu/about/events/

This online departmental syllabus provides required information for creating your Online Math 1111 syllabus. You can use your own preferred formatting style. Please fill in the areas highlighted in red and delete any optional items that you do not use.

Math 1111 College Algebra
{Semester, year} {CRN #} {Section}
3 Credit Hours {meeting dates/times}
Nevins Hall {room #}
Mathematics Department
Valdosta State University

Instructor Information:
Name: {Your name} **Office # {location}**
VSU email address: {email address} **Office Hours: {list hours available}**
Math Department Phone: 333-5778 **Instructor's office phone: {ph #}**

Pre-requisites: No Pre-requisites. College Algebra is an entry level course.

Recommended Text: College Algebra Essentials by Blitzer (5th Edition): Pearson

Other Required Resources: {That which you are requiring your students to have like calculators, notebooks, MyMathLab, Blazeview, etc…}

Course Content and Videos: {That which you make available for the students}

Course Description: Math 1111 is algebraic topics including polynomials, rational expressions, equations, inequalities, graphing, exponents and radicals, relations and functions through exponential and logarithmic functions.

Student Learning Outcomes:
Upon completion of this course, students will be able to:
1. Use the rules of algebra to simplify, evaluate, rationalize, perform operations with, and apply algebraic expressions that contain both real and imaginary numbers.
2. Determine the distance between two points in the coordinate plane and find the midpoint of the line segment joining the points. Recognize, write, and graph equations of circles.
3. Solve equations (including linear, polynomial, rational, radical, exponential, logarithmic, and absolute value) and use the solutions to draw reasonable conclusions about a situation being modeled.
4. Solve and graph inequalities, including linear, polynomial, rational, and absolute value.
5. Solve quadratic equations using a variety of methods, including factoring, completing the square, the quadratic formula, extracting roots, and technology.
6. Using information about a line (such as slope, intercepts, and points on the line) to write equations, sketch graphs, and determine whether lines are parallel or perpendicular.
7. Using appropriate notation and terminology, analyze relations and functions by determining the domain, range, functional values, inverse relationships, and composition of functions both algebraically and graphically.
8. Graph quadratic functions by determining their maximum or minimum values and intercepts.
9. Analyze and sketch graphs of polynomial, rational, exponential, and logarithmic functions including transformations.

10. Use properties of logarithms to evaluate, rewrite, expand, or condense logarithmic expressions'
11. Solve systems of equations using a variety of methods, including technology.

Grading:

Semester Grade {explain the percentages of homework assignments, quizzes, projects, tests, final exam, and other assessments used that affect course grades; clearly detail how the course grade will be determined}

Midterm Exam and Final Exam:

The online Math 1111 requires a midterm exam and a final exam.

Grading Scale:

A(90-100) B(80-89.99) C(70-79.99) D(60-69.99) F(59 and below)

Tentative Schedule: {include tentative test dates and material covered, due dates for any major assignments, and the date of the final exam.

Exam Make up: {explain your policy for allowing/not allowing students to make up missed exams, major assignments, etc}

Withdrawal from classes: {see instructor information on previous page}

Online Conduct: { Include your expectations of students' behavior online. Be sure to include a statement of what electronic devices (ex. Cell phones, calculators, etc) are allowed. If online conduct can affect the final grade, then state your policy.}

Academic Integrity: { Include your policy concerning cheating on tests and exams and the consequences. See the paragraph on Academic Integrity on the second page of this document.}

SOI Statement: {Optional. See sample on the second page}

The Academic Support Center:

The Academic Support Center (ASC) provides free peer tutoring in core curriculum courses, including sciences, math, writing, social sciences, humanities, and foreign languages. The ASC also provides supplemental instruction (tutor-led study group sessions) for historically difficult courses like biology, chemistry, geosciences, psychology and sociology, as well as academic success workshops. Call 229-333-7570 to make an appointment, email us at asc@valdosta.edu, or visit our website: www.valdosta.edu/asc. Located in Odum Library, on the 2nd floor.

Title IX Statement:

Valdosta State University (VSU) is committed to creating a diverse and inclusive work and learning environment free from discrimination and harassment. VSU is dedicated to creating an environment where all campus community members feel valued, respected, and included. Valdosta State University prohibits discrimination on the basis of race,

color, ethnicity, national origin, sex (including pregnancy status, sexual harassment and sexual violence), sexual orientation, gender identity, religion, age, national origin, disability, genetic information, or veteran status, in the University's programs and activities as required by applicable laws and regulations such as Title IX. The individual designated with responsibility for coordination of compliance efforts and receipt of inquiries concerning nondiscrimination policies is the University's Title IX Coordinator: Maggie Viverette, Director of the Office of Social Equity, titleix@valosta.edu, 1208 N. Patterson St., Valdosta State University, Valdosta, Georgia 31608, 229-333-5463.

Access Statement: 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 VSU's Access Office or email: access@valdosta.edu.

**Additional items you wish to add: {Share additional items that you think will help students be successful in your class.}