MAC 1147 Pre-Calculus

SECTION 10164
Spring 2016
Monday & Wednesday, 12:00pm - 1:40pm
Building 2 Room 2007

Instructor: Mario Ibanez
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Office Hours: Building 3, Room 2234 - 2:00pm – 4:00pm, Monday – Thursday
Textbook: Precalculus, 10th Edition by Michael Sullivan
ISBN: 9780321978981
A graphing calculator is recommended.
Prerequisite: Intermediate Algebra

Grading:

Homework	125 points
Quizzes	150 points
Test 1 on February 3rd (Wed.)	175 points
Test 2 on March 2nd (Wed.)	175 points
Test 3 on April 6th (Wed.)	175 points
Cumulative Final Exam	200 points
	1000 points

A: 900 - 1000 pts, **B:** 800 - 870 pts, **C:** 660 -760 pts, **D:** 530 - 630 pts, **F:** 0 - 500 pts

Borderline cases (like 878) will be decided on whether or not you are improving and class trends. Additionally, +'s and -'s will be assigned within grade ranges when appropriate.

Important Dates:

January 18th, 2016	Martin Luther King Day (No Class)
March 14th – March 19th	Spring Break (No Class)
March 25th, 2016	Withdraw Deadline

Policies:

Attendance is essential for success. This course is especially fast-paced so it is extremely important that a student **does NOT** fall behind. The student is responsible for any classes missed. This includes exam dates, homework assignments, quizzes, and lecture notes.

Homework will be given each class and assignments must be completed on time. The problems are assigned for the purpose of practice at the end of the sections. Students are expected to prepare questions about problems that give them trouble and ask at the following class period. Homework is vital for proper preparation for tests. The homework will only serve to help your grade. If your homework average is less than the average of the tests, then the homework grade will not be counted.

Tests are based on the lectures and homework problems. If anyone requires special test-taking accommodations, please contact me as soon as possible. Please note the dates of exams because make-up exams will be given only for extraordinary circumstances. Excuses must be given for non-emergencies in advance in the event of a missed exam. Test reviews/outlines will be given one week prior to the test.

Quizzes will be given in class, and notice will be given one day prior to the quiz. (Example, on a Monday it can be announced that there will be a Wednesday quiz). The two lowest quiz grades will be dropped, and makeup quizzes will not be given.

Academic Honesty

Each student's grade should reflect only that student's achievement. Thus, CHEATING, PLAGAIARISM, ASSISTING OR ALLOWING OTHERS TO VIOLATE ACADEMIC HONESTY are grounds for receiving a grade of F for the entire course.

Disability Resources

Students with disabilities who seek reasonable accommodations in the classroom or other aspects of performing their coursework must first register with the UNF Disability Resource Center (DRC) located in Building 57, Room 1201. DRC staff members work with students to obtain required documentation of disability and to identify appropriate accommodations as required by applicable disability laws including the Americans with Disabilities Act (ADA). After receiving all necessary documentation, the DRC staff determines whether a student qualifies for services with the DRC and if so, the accommodations the student requires will be provided. DRC staff then will prepare a letter for the student to provide faculty advising them of approved accommodations. For further information, contact the DRC by phone at (904) 620-2769 or visit the DRC website http://www.unf.edu/dept/disabled-services

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General Education Outcomes:

MAC 1147 is designed to help students acquire the following General Education competency.

Analyzing and Reasoning Quantitatively: *This competency includes but is not limited to determining appropriate mathematical and computational models and methods in problem solving; understanding mathematical, statistical, and computational concepts; applying mathematical and computational models and methods in problem solving.*

To do this we will present the standard techniques of Precalculus: manipulating expressions, solving equations, solving inequalities, solving identities, and studying functions (linear, quadratic, exponential, logarithmic, trigonometric). These techniques will then be applied to solve a variety of Precalculus problems. The applications will include but are not limited to mastering algebra and trigonometry techniques; and setting up and solving linear, quadratic, exponential, and trigonometric equations arising from modeling problems.

We reach this goal by setting up and solving linear, quadratic, exponential, logarithmic, and trigonometric word problems and equations.

Plan for dealing with disruption of normal activities:
In the event of disruption of normal classroom activities due to an emergency such as hurricane, pandemic or other unforeseen event or combination of events, the format of this course may be modified in order to enable completion of the course requirements. In that event, you will be provided an addendum to this syllabus that will supersede this version. It is your responsibility as a student participant to be proactive during any emergency to find instructions that will be sent through email (or posted to the osprey website) as determined by the instructor as appropriate for the circumstances.

The course will cover selections from the material in Chapter A and Chapters 1 - 8 and 11.