MATH 119, Precalculus Mathematics • Spring 2017

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Office hours: MW 9a-10a, F 12p-1p
Prerequisites: Placement by Department Exam or MATH 118

Course Description and Goals
Functions and graphs, including polynomial, rational, exponential, logarithmic, and trigonometric functions. Systems of equations and inequalities, polar and parametric equations, complex numbers, and analytic trigonometry. 4 hours discussion. This is an approved General Education course.

Objectives/Student Learning Outcomes
Upon successful completion of this course, students will be able to:
1. Demonstrate basic skills and conceptual understanding as relating to fundamental mathematical objects such as functions, equations, vectors.
2. Interpret and translate problems into appropriate mathematical language; then solve problems by applying appropriate strategies and interpreting the results.
3. Demonstrate the ability to effectively and accurately speak on mathematical topics relevant to their major and appropriate to their audience.
4. Use technology to manipulate mathematical objects (e.g., functions equations, data sets, etc.), to conduct mathematical explorations, to model problem scenarios, and to analyze mathematical objects.

Required Texts/Equipment

Textbook (Optional)

Other readings (or recommended readings)
Course Handouts, Available on Blackboard

Recommended: A graphing calculator is also highly recommended. I personally recommend a TI-83 graphing calculator, however there are a wide variety available. A good online graphing utility can be found and used for free at http://www.desmos.com.
Grading Policy

Assignments
Prior to each class meeting, you will be required to complete a Preview Check to verify that you completed the preview materials needed for lecture. The Preview Checks will be available, completed and turned in in BlackBoard. During each lecture hour, you will be responsible for completing an activity sheet in small groups. Activity sheets will be due weekly. The agenda on the Welcome page in BlackBoard will indicate what activities need to be printed out for class and which activities will be collected at the end of each week.

Quizzes
There will be one quiz assigned each week and may be assigned as either paper copy or online. All take-home paper quizzes will be due at the beginning of the last class meeting each week. Online quizzes will be due by 11:59 pm the Sunday immediately following the week in which they are assigned. Occasionally in-class quizzes will be assigned. These will be indicated in the course calendar in BlackBoard.

Exams
There will be four midterm exams. The lowest score, excluding a score of zero, will be dropped. If you must miss an exam due to extenuating circumstances, you MUST communicate with the instructor BEFORE the day of the exam. The final exam may not be dropped. Books, phones and notes are not permitted on any exam unless otherwise specified by the instructor. The final exam will be cumulative. Due to the large breadth of topics covered throughout the course, it is recommended that you regularly study your past notes and activities to keep the material fresh for the final.

Grading Policy
Assignments: 10%   Quizzes: 30%   Midterms: 40%   Final Exam: 20%
A: 90 – 100%   B: 80 – 89%   C: 70 – 79%   D: 60 – 69%   F: Below 60%

* Some versions of the student portal offer a “running total” grade for courses despite the fact that this course does not use a running total in grade calculations. Note that final grade for this course is a weighted total which may not be the same letter grade as the “running total”.

**The grading scale indicates the range for each letter grade. “Plus” and “minus” grades are awarded based on the final weighted score relative to the letter range.

Attendance, Late Work:
You are responsible for any work and material covered in class. Consistent attendance is crucial. If you miss a class meeting for any reason, it is your responsibility to use the appropriate resources available to catch yourself up. Late work will not be accepted. If it is impossible for you to attend class when an assignment is due, you must either have the assignment turned in to the Math Department Office before the class meeting time OR you must email the assignment to the instructor. In order for an emailed assignment to be accepted, it must be scanned or photographed in a resolution and quality that is legible to the instructor (note: images MUST be sent as attachments, no inline images); the email and assignment must be received before the next class meeting; the email subject must include the title of the assignment (e.g. Problem Set 1, Quiz 2, etc). Any assignments not meeting those criteria, or incorrectly labeled in the subject heading, will not be graded. If you are not present when graded work is returned, you must meet with me at my office to receive your graded work.
University Policies and Campus Resources

Academic integrity
Students are expected to be familiar with the University's Academic Integrity Policy. The policy on academic integrity and other resources related to student conduct can be found at: http://www.csuchico.edu/sjd/integrity.shtml.

Campus Policy in Compliance with the American Disabilities Act
If you need course adaptations or accommodations because of a disability, please contact me as soon as possible. Please also contact the Accessibility Resource Center as they are the designated department responsible for approving and coordinating reasonable accommodations and services for students with disabilities. The Accessibility Resource Center is located in Student Services Center 170 or can be reached at 530-898-5959. http://www.csuchico.edu/arc
Special accommodations for exams require ample notice to the testing office and must be submitted to the instructor well in advance of the exam date.

Course Usage of BlackBoard Learn
Copies of the course syllabus and major assignments may be found on BlackBoard Learn. You are responsible for regularly checking the online resources.