Spring 2015
MATH 10A: PreCalculus
T R: 11:30 – 12:45 Terrill 308

Instructor: Danielle Ledford
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Office Location: Lord House (16 Colchester Ave) 107
Office Hours: Mondays 3:00 - 4:00pm
Tuesdays 1:00 – 2:00pm
Thursdays 10:00-11:00am
(or by appointment)

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Textbook: PreCalculus by J. Douglas Faires and James DeFranza, 5th Edition
Course Website: http://www.uvm.edu/~dledford/Spring_2015_MATH10A.html

Course Description

MATH 10 is designed as a preparatory class for more advanced calculus courses, specifically MATH 21 and MATH 22. This course may not be taken for credit concurrently with, or following receipt of, credit for any mathematics course number MATH 019 or above. Prerequisite: Two years of secondary school algebra; one year of secondary school geometry. Students are expected to spend about 2 – 3 hours (per week) studying outside of class for each hour spent in class, for us this means approximately 6 – 9 hours per week.

Tentative Course Outline

Chapter 1 (Functions): 1.1 – 1.8
Chapter 2 (New Functions from Old): 2.2 – 2.5
Chapter 3 (Algebraic Functions): 3.2 – 3.6
Chapter 4 (Trigonometric Functions): 4.1 – 4.9
Chapter 5 (Exponential and Logarithmic Functions): 5.1 – 5.4

Course Policies

Grading Policy:
- Homework: 15%
- Quizzes: 20%
- Exams (2): 20% each
- Final Exam (Cumulative): 25%
**Homework:** Homework will be assigned weekly and collected on the last class of the week (Fridays). Homework is particularly important in a math class, because homework requires you to apply the material learned in lecture to different examples and types of problems. It is through the homework that you will really understand the concepts covered in this course. Homework will be graded and late homework will be accepted with a 10% deduction for each calendar day past due. Homework must be neat, with each problem step clearly written out in order, and a box around the final answer.

**Quizzes:** There will be an announced quiz (roughly ten to fifteen minutes in length) just about every week. Quizzes will be on material covered in previous classes and homework. To encourage students to complete the homework, quiz questions will be extremely similar to the questions from the homework. There will be approximately 10 quizzes throughout the semester and the lowest 2 quiz scores will be dropped at the end of the semester. This being said, NO MAKE-UP quizzes will be given for any reason.

**Exams:** There will be two in-class exams during the semester, and one cumulative final exam. Exam 1 will tentatively cover Chapters 1 and 2; Exam 2 will tentatively cover Chapters 3 and 5; and the material on the final exam will be evenly split, covering Chapter 4 as well as the previously examined material. If you need to miss an exam, you must NOTIFY ME AT LEAST 24 HOURS BEFOREHAND, otherwise a make-up exam will not be guaranteed. All make-up exams must be completed within a week of the missed exam. Exam dates will be announced as the semester progresses. Final exam is May 5th from 10:30 – 1:15pm. The date/time of the final is NON-NEGOTIABLE.

**Attendance/Class Participation:** You cannot learn mathematics if you are not in class, thinking, and participating. While there is no formal attendance policy and no direct effect on your grade should you miss class, in borderline situations attendance and class participation may play a role in determining your course grade.

**Calculators/Technology:** Students are permitted to use scientific and/or graphic calculators for this course. CAS (Computer Algebra System) Calculators are not permitted in this course. Cell-phones, iPods, laptops, tablets, and other similar devices are not allowed to be used during class or exams. If I see you using any of these devices, I reserve the right to confiscate them until the end of class.

**Academic Integrity:** All students are expected to abide by the University policies regarding academic integrity ([http://www.uvm.edu/cses/code_ai.html](http://www.uvm.edu/cses/code_ai.html)). Any suspected violations of this policy will be forwarded to the Center for Student Ethics and Standards for further investigation.

**Disability Services:** The ACCESS office at UVM provides accommodation, consultation, collaboration and education support services to students with disabilities. To contact the ACCESS office, go to: [http://www.uvm.edu/access/](http://www.uvm.edu/access/); email them at access@uvm.edu; or call at 656-7753. If you need specific accommodations in this class, please bring a letter from ACCESS as early as possible so that we can make appropriate arrangements. I will be available to answer any additional questions on the subject via email or during my office hours.

**Note:** This syllabus is subject to revision by the instructor.