

Syllabus for Math 30, Calculus 1

Section 01, Spring 2016

Instructor: Dr. Tim Morris	Math Department
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Office Hours: After Class	

1. Time and Location:

Sec 01: Lecture: MWF: 8:00-8:50 in Brighton 214
Th: 8:00-8:50 in Brighton 204

2. Office Hours:

MW: 11:00-12:00 in Brighton 125
Th: 9:00-10:00 in Brighton 125

3. Prerequisites:

Math 29 or four years of high school mathematics which includes two years of algebra, one year of geometry, and one year of mathematical analysis; completion of ELM requirement and a passing Calculus Readiness Test (CR) score. A CR score of 41 is passing; a score of 36-40 is advisory qualification and admission is left to the instructor's discretion. Any student who does not demonstrate a passing CR score by **Wednesday, Aug 15** may not take this class. For more information, see <http://www.csus.edu/math/courses/diagnostic.htm>. For those who need to take the CR, we will schedule an exam on Tuesday, Aug 14.

4. Course Description:

Functions and their graphs; limits; the derivative and some of its applications; trigonometric and hyperbolic functions and their inverses; the integral; the fundamental theorem; some applications of the integral.

5. Textbook:

APEX Calculus I, Hartman 3rd edition. Available for free at <http://www.apexcalculus.com>

6. Exams:

- There will be three in-class exams and a comprehensive final exam.
- In-class exams will be worth a total of 45% of your grade and the final will be worth 25%.
- Dates of In-class Exams will be announced at least one week in advance.
- No Notes will be allowed.

7. Homework and Projects:

- Homework and projects will be due at the **beginning** of class.
- Homework and projects together will be worth 25% of your grade.
- In-class projects will be worth 5% of your grade.

8. Extra Credit:

It is extremely unlikely that I will offer any extra credit for this class.

9. Academic Honesty

- I HAVE NO TOLERANCE FOR CHEATING! Cheating of any kind will result in disciplinary action including a course grade of "F".
- If you are unsure what constitutes cheating, please see Sac State's Academic Honesty Policy at <http://www.csus.edu/umannual/AcademicHonestyPolicyandProcedures.htm>

10. **Assistance:**

In addition to contacting me, there are several places to seek help with this course.

(a) Math Lab in Brighton 118

Offers free drop-in tutoring from math majors, grad students, and sometimes faculty.

Hours: M-Th: 9:00am-5:00pm

F: 9:00am-1:00pm

(b) I encourage you to form study groups to provide mutual assistance. This is frequently more effective than coming to a tutor session as you and your peers work through the problem and so gain a deeper understanding.

(c) Online sources including Wikipedia, Mathworld, Khan Academy, and even Youtube can be helpful.

11. **Disability Accommodations:**

If you have a disability and require accommodations, you need to provide disability documentation to SSWD, Lassen Hall 1008 and discuss your needs with me as soon as possible.

12. **General Education:**

GE Area: B4 (Mathematical Concepts and Quantitative Reasoning)

Writing Component: This class has a writing component. This means that you will have to write. On every exam you will find questions that require a paragraph or two explaining a concept, theorem, or method. You will also be required to write a short explanation for how the material in this course is related to your major.

Learning Outcomes: Solve problems by thinking logically, making conjectures, and constructing valid mathematical arguments. Make valid inferences from numerical, graphical, and symbolic information. Apply mathematical reasoning to both abstract and applied problems, and to both scientific and non-scientific problems.