

Instructor: David Sacco, MSCS 412

Office: MSCS 412

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Office Hours: TBD

Textbook: 'Technical Calculus with Analytic Geometry, Peter Kuhfittig, 5th edition

Course Description: Welcome to Calculus 2! This is an extension of the previous course, Technical Calculus 1. The main idea for this course is to take a lot of the things done in the previous class and extend them to more situations (integration and differentiation with transcendental functions). **It should be expected that this class will be much more difficult than the previous.** It'll be important to do some review as many of the ideas and material in the previous class will be present at one time or another. It'll also be a good idea to review your trigonometry if you're rusty with it.

Grade Policy:

Quizzes: 20 %

Exam 1: 25 %

Exam 2: 25 %

Final: 30 %

I will use a standard grading scheme, anything higher than a 90 is an A, higher than a 80 is a B, higher than a 70 is a C, higher than a 60 is a D, 60 and lower is an F. I will use discretion on close cases.

Quiz Policy I will be dropping your *three* lowest quiz scores. They will in general be on topics that we've covered in class, and will not usually overlap with previous quizzes. This should give you a good idea what to expect as far as what kind of questions to go over. Of course, things that are gone over in class may also be quizzed. It's going to be imperative that you study outside of just taking the quizzes. See the optional homework problems at the end of this document for an idea of what kinds of things you might want to look at. **Quizzes cannot be made up except for appropriate circumstances.**

The midterm clause I will be allowing students to be bringing in a single 3" x 5" notecard for each exam (including the final). Also, if you score higher on the final than you do on either of your exams, the grade you receive on the final will replace the grade on that exam. For example, scoring a 60 on exam 1 and a 85 on the final will yield you an 85 on both exam 1 and the final.

Academic Honesty: While it is very human and helpful to share information with others, there is a fine line between being helpful and cheating/plagiarism. Information on the university's policy on this can be found at <http://academicaffairs.okstate.edu/>.

Extra Help: Do not hesitate to come to my office during office hours or by appointment to discuss a homework problem or any aspect of the course. I make this time open for you and I encourage you to use them. Do not hesitate to also get in study groups with your peers, as it can be one of the most helpful types of studying. A lot of students in the past have commented that coming to office hours greatly helped them succeed in the class. I don't bite! I also strongly encourage you to make use of the MSLC in the fifth floor of the library. You can go there and casually sit down to do your homework while also getting any questions you have answered by the tutors walking around.

Students with disabilities: If you require special accommodation in the course, it is your responsibility to contact me privately as early in the semester as possible.

Class Schedule

On the last day of class each week, a quiz will be held.

	Monday	Wednesday	Friday
Week 1 8/17	Course Intro and min-review	6.1	6.1 continued
Week 2 8/24	6.2	6.2 continued	6.3
Week 3 8/31	6.3 continued	6.4	6.5
Week 4 9/7	No Class!	6.5 continued	6.6
Week 5 9/14	6.6 continued	6.7	6.8
Week 6 9/21	6.9	Review	Exam 1
Week 7 9/28	7.1	7.2	7.2 continued
Week 8 10/5	7.3	7.3 continued	No Class!
Week 9 10/12	7.4	7.5	7.6
Week 10 10/19	7.6 continued	7.7	7.7 continued
Week 11 10/26	7.8	7.8 continued	Examples
Week 12 11/2	Examples	Review	Exam 2
Week 13 11/9	9.1	9.2	9.3
Week 14 11/16	9.4	9.5	8.1
Week 15 11/23	8.2	No Class!	No Class!
Week 16 11/30	8.3	8.4	8.5

Final:

The final date for this class is Monday, December 7 from 8:00-9:50 AM.

Some Recommended Homework Problems:

Chapter 6:

- 6.1: 1, 5, 11, 29, 42
- 6.2: 3, 7, 15, 24, 29
- 6.3: 5, 6, 16, 19, 40
- 6.4: 7, 16, 25, 33, 42
- 6.5: 2, 8, 11, 14, 21, 24, 28
- 6.6: 19, 25, 27, 38, 45
- 6.7: 2, 7, 13, 16, 20, 25, 27
- 6.8: 5, 7, 14, 18, 25, 35
- 6.9: 1, 7, 9, 11, 17, 27

Chapter 7:

- 7.1: 1, 3, 5, 7, 9, 11, 19
- 7.2: 1, 3, 8, 11, 15, 19, 23
- 7.3: 1, 6, 8, 17, 31, 34
- 7.4: 2, 4, 5, 8, 11, 15, 24, 26
- 7.5: 2, 4, 6, 13, 15, 19, 20
- 7.6: 2, 5, 7, 8, 12
- 7.7: 1, 2, 9, 11, 15
- 7.8: 1, 3, 4, 11, 14

Chapter 8:

- 8.1: 2, 3, 5, 13, 15, 19, 25
- 8.2: 1, 3, 5, 10, 13, 18
- 8.3: 2, 8, 15, 18, 25, 32
- 8.4: 9, 14, 15, 22, 27
- 8.5: 2, 4, 7, 16, 18, 34, 43

Chapter 9:

- 9.1: 1, 5, 7, 16, 22, 31, 33
- 9.2: 2, 4, 5, 8, 15, 18, 24, 26, 28, 31
- 9.3: 25, 28, 30, 31, 35, 38
- 9.4: 2, 4, 7, 10, 14, 26, 27, 28
- 9.5: 2, 3, 6, 7, 10, 11, 16, 20, 23