

## Math 166 - Calculus II

Summer 2000

Instructor: Dr. Brian Heck  
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Office Hours: 9:00-10:30 am MTW

**Prerequisites:** Math 165 (with a C or better)

**Text:** Calculus (8<sup>th</sup> ed.) by Varberg, Purcell & Rigdon (Prentice Hall)

**Calculator:** We will at times make use of calculator technology. You will need to have a scientific calculator and be able to use it efficiently.

**Course Description (catalog):** Transcendental functions, derivatives, integrals, analytic geometry, infinite series, and polar coordinates.

**Course Objectives:** To learn as much calculus as humanly possible in one semester, while at the same time developing intuition and an awareness of higher mathematics.

**Instructor Expectations:** Come to class prepared to learn. I expect a high degree of intellectual curiosity. In order to understand what we are doing in class, it will be necessary for you to do problems outside of class, and it would be beneficial to you to read the text prior to our covering the material in class. You will be required (on all turned in work, and on all exams) to demonstrate knowledge and understanding of the material.

### Grading Policy:

<b>Homework</b>	100 pts
<b>Tests (3 100 pt tests)</b>	300 pts
<b>Final Exam</b>	200 pts

### Grading Scale:

A: 540-600 pts; B: 480-539 pts
C: 420-479 pts; D: 360-419 pts
F: less than 360 pts

Every week, there will be problems due, sometimes more than once a week. I will announce during class which problems to turn in the next class day. If the problems are especially hard, I will give you more time. Each problem will be worth up to 4 points. If you receive less than 2 points, you may re-do the problem and turn it in the next class day. Please write "Re-Do" at the top of the page, and turn in the original with it. The maximum grade for a "Re-Do" is 3. You may re-do a problem only once. Uncollected homework problems are also important. Repetition is one of the best ways to learn something, especially mathematics. Additionally, uncollected homework problems sometimes find their way onto tests and/or finals. The same goes for unassigned homework problems.

We will have 3 tests and a final exam this semester. The tentative dates of are included in this syllabus. They most likely will not change, but if they do I will let you know in class. You are responsible for knowing when each exam will be held. You will not be allowed to make up tests missed without a valid excuse and prior notice. The final exam is comprehensive.

**Attendance:** I will not include attendance as part of your course grade. I'm not your mother or your parole officer, and this is not high school. I do, however, expect you to attend everyday. You are responsible for any and all material covered in class. If you miss any class, it is up to you to meet with me (if necessary) and catch up on the material you missed.

**Approximate Class Schedule:**

Chapter 7: Sections 1-5, 7, 8  
\*Test 1 (June 19)\*

Chapter 8: Sections 1-5  
Chapter 9: Sections 1-4  
\*Test 2 (June 29)\*

Chapter 10: Sections 1-8  
\*Test 3 (July 13)\*

Chapter 12: Sections 1-8

\*\*Final Exam (Friday, July 21)\*\*

**Closing Remarks:**

You are at a university, not a trade school. The goal is intellectual development and knowledge for knowledge sake. If you only want to learn what you need to get a job, go somewhere else.

Do not ask me why you need to learn the material we are currently learning. The answers are (1) because they will be on the final (2) because this is what calculus is, and any course called Calculus should cover this, and (3) because I say so. If during the semester you get the urge to ask me why we are learning something, re-read this paragraph. If you are still unsure, see (3) above.

It is assumed that you are attending this university because you have a desire for higher learning. It is therefore expected that you will pay attention, be respectful of your instructor and fellow students, and follow the Code of Student Conduct. Instances of academic dishonesty will be dealt with severely. If you are caught cheating, you will fail this course and I will recommend that you be dismissed from this institution. Similarly, if you are a disruptive presence in the classroom, you will be dropped from the class with the grade of an F.

**Important Dates:**

Final Date to Add Courses or Drop Without a "W" - **Friday, June 9 (1:00pm)**  
Final Date to Drop Courses With a "W" - **Friday, July 7**