MATH 2400   Calculus II
Fitchburg State University
4 undergraduate credits

Instructor: Dr. jennifer berg , jberg5@fitchburgstate.edu

Office Hours: tbd

Textbook: *Calculus Early Transcendentals* 7th Edition, by James Stewart, Thompson/Brooks/Cole, 2012.

Course Materials: You will need a calculator for this class (not attached to a phone or tablet and is a TI-84 or less). A standard scientific calculator is perfectly acceptable. I suggest bringing the calculator to class and use the same one for homework. Some quizzes will be non-calculator quizzes.

Course Content: The course involves the study of the Riemann integral, methods of integration, and applications. This course includes a computer laboratory component using computer algebra software. *Prerequisite:* Calculus I (Math 2300) or its equivalent.

Grading: The final grade will be based tests (40%), labs (15%), homework/presentation/attendance (10%), quizzes (10%), and a final exam (25%). The standard Fitchburg State plus/minus grading system will be used.

FSU	4.0	3.7	3.5	3.3	3.0	2.7	2.5	2.4	2.0	1.7	1.5	1.3	1.0	0.0
Letter	A	A-	A-/B+	B+	B	B-	B-/C+	C+	C	C-	C-/D+	D+	D	F
Numerical	95-100	92-94	89-91	86-88	83-85	80-82	77-79	74-76	71-73	69-70	67-68	64-66	60-63	0-59

Homework/Presentations/Attendance: Homework will be assigned every day on Blackboard. On occasion, homework will be presented. Some Thursdays I will randomly select students to put problems up on the board or the overhead. On those days, student grades are assigned by participation in the group discussion and check plus/check/check minus on the homework (which could still be collected). So on these days your homework grade includes participation in the presentations (presenting homework and commenting on the presentations) and the completeness of your own work. Finally, the weekly quizzes will be on the homework problems.

Quizzes: In-class activities and announced quizzes (typically on Thursday) can happen throughout the semester. Quizzes will typically be on uncollected HW problems. Quizzes are worth 10% of your grade.

Labs: Labs will typically be due every Friday at 9am. These labs and attendance at labs are worth 15% of your grade.

Exams: There will be two tests during the semester each worth 20% and one final exam worth 25%. If an exam is missed, you must contact the instructor (via email) within 12 hours to have

any chance to make up the exam. If you missed the exam for a legitimate reason, you must make up the exam before the class following the exam. Which excuses are considered legitimate is up to the discretion of the instructor and the instructor may require documentation and/or direct contact from the Dean of Student and Academic Life.

Tentative Dates:

Test 1:   July 12   **Test 2:**   July 26   **Final:**   August 2

Academic Honesty: I expect each student to be honest with themselves and with me and I expect to see YOUR work. I know what the INTERNET might say, I want to know what you say. If you work closely with another student, you should indicate that on your homework. All students should be aware of and follow the college's Academic Integrity Policy which can be found on page 43 of the Undergraduate and Graduate Course Catalog. Any acts of cheating on an assessment (homework, quiz, or exam) will earn the student a score of zero on that assessment and may result in a formal accusation to be reported to the student's Dean, as outlined in the Course Catalog.

Expectations:

1. Attendance will be taken every day and students are expected to attend class and lab.

2. Leave all distractions such as newspapers, crossword puzzles, iPods, and work for other courses at home or in your backpack.

3. Turn off all cellphones in class. If you have a child in daycare or are an EMT please set your phone to silent and step outside if you must answer a call.

4. Your enthusiasm, your questions, and your excitement are always welcome in class. Please leave bad attitudes and egos at home.

How to succeed in this class:

1. Come to class, participate, and take notes.

2. Ask lots of questions.

3. Visit me in office hours, email me, and visit the Math Center (third floor of the library).

4. Ask lots of questions.

5. Keep up with homework and reading the text.

Students with Disabilities: If you have a disability and require accommodations, please contact the me during the first two weeks of class or as soon as you become aware of the need, so that your learning needs may be met. You will need to provide documentation of your disability to the Disability Services office first on the third floor of Hammond. The Disability Services office will help to decide what accommodations are required and will give you a form to present to your instructor.

Extended Campus Library Services

The Gallucci-Cirio Library at Fitchburg State University provides a full range of library services including borrowing privileges; document delivery (books and articles mailed to your home); Interlibrary Loan; reference assistance via: phone, email, IM, Blackboard's Collaboration and Elluminate tools, Skype and in-person; library instruction; research help and more. Any questions

relating to library services should be directed to the Linda LeBlanc, Access Services Librarian, at 978-665-3062 or dllibrary@fitchburgstate.edu. There is also a special section for Distance Learning and Extended Campus Services at http://fitchburgstate.libguides.com/dlservices outlining the wide range of services available to you and how to access them.

Tentative Schedule of Topics:

Week 1	Chapter 7: techniques of integration	
Week 2	Chapter 8: applications of integration	Exam 1
Week 3	Chapter 11: sequences and series	
Week 4	Chapter 9: differential equations	Exam 2
Week 5	Chapter 10: parametric equations and polar coodinates	Final exam