TEXT: The 7th Edition of James Stewart’s *Single Variable Calculus*. You will need to purchase an Ewa Access Code, as we will be using WebAssign in this course.

Material to be covered:

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Section(s)</th>
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<tbody>
<tr>
<td>6</td>
<td>Inverse Functions</td>
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<tr>
<td>7</td>
<td>Techniques of Integration</td>
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<tr>
<td>8</td>
<td>Further Applications of Integration</td>
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<tr>
<td>9</td>
<td>Differential Equations (9.3)</td>
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<td>10</td>
<td>Parametric Equations and Polar Coordinates</td>
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<tr>
<td>11</td>
<td>Infinite Sequences and Series</td>
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PREREQUISITES: The prerequisite for this course is Math 1571. In order to succeed in Calculus II, you need very good skills in Algebra and Trigonometry as well as the differentiation and integration techniques learned in Calculus I. In particular, you should carefully review the sections: § 2.5 and § 4.2–4.5. This material is used frequently in the course and I assume that you know it.

GRADING: Grades will be based on 700 total points. There will be 3 Midterm Exams worth 100 points each, a Final Exam worth 200 points, and an Integration Gateway Exam worth 50 points. The remaining 150 points will come from quizzes, writing assignments, and homework (more details follow). Course grades will be assigned on the following scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
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<tbody>
<tr>
<td>A</td>
<td>630-700</td>
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<tr>
<td>B</td>
<td>560-629</td>
</tr>
<tr>
<td>C</td>
<td>490-559</td>
</tr>
<tr>
<td>D</td>
<td>420-489</td>
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</tbody>
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Last day to withdraw with a “W”: Thursday, March 26, 2015. The final exam is comprehensive and will be given on Friday, May 8 from 10:30am–12:30pm. **I reserve the right to fail any student that does not pass the final exam.**

EXAMS: The Midterm Exams will be given at the completion of each of Chapters 6, 7, and 11. The Final Exam will be comprehensive and given on Friday, May 8 from 10:30am–12:30pm. The exam dates will be announced approximately one week in advance, and it is your responsibility to be in class and know when the exams will be given. Missed exams can be made up only in the event of an excused, documented absence. If you are going to miss an exam, call my office and leave a message or send me an e-mail before the exam. Arrangements for a make-up must be made before returning to class. An unexcused absence from class on the day of an exam may result in a grade of 0 on that exam.

INTEGRATION GATEWAY EXAM: You will be given a list of integration problems. The gateway exam will consist of 7 problems selected from this list. You will be required to obtain a score of 6 out of 7 in order to receive credit for the exam. There will be opportunities for repeated attempts of this exam. However, the number of points available for the exam will decrease as the semester progresses. More details on the gateway exam will be provided later.
QUIZZES and WRITING ASSIGNMENTS: There will generally be a quiz each Friday. In addition to the Friday quiz, there may also be a quiz or in-class assignment on any other day. The quizzes will be similar to the homework problems. There will also be some short writing assignments, consisting of short essay or “discussion” type questions. Each quiz or writing assignment will carry the same weight. Your 10 best scores (of at least 12) will be counted. Because at least 2 quiz or writing grades will be dropped, there will be NO make-ups given on quizzes and late writing assignments will NOT be accepted.

HOMEWORK: Homework will be assigned at each class meeting, and you are expected to complete the assignment before the next meeting. You may ask for help on any homework problem during class the day after the assignment was given. We will discuss homework problems at the beginning of each class period; do not be late for class. Doing your homework everyday is critical to your success in this course. If you do not do your homework everyday you are going to have difficulties passing this course. We will be using the online homework system WebAssign for the homework exercises. This will account for 50 points of the 150 total points for quizzes and assignments.

WebAssign: Bundled with the textbook, you will receive an Access Code Card for WebAssign, the online homework submission program. There are links on the course web page to registration guides. You will need the Class Key [ysu 7288 4884] in order to access the course on WebAssign. The instructions for creating a login and id are available on my webpage. The address for WebAssign is [http://www.webassign.net](http://www.webassign.net). There is a WebAssign assignment corresponding to each assignment on the homework sheets. Each of these contains a subset of the assigned homework problems. It is strongly recommended that you complete and submit those homework problems on WebAssign. There are several advantages:

- Immediate feedback on whether your answers are correct.
- The instructor will know that you are actually doing the homework.
- It counts for 50 points toward your final grade.

ATTENDANCE: Regular attendance is necessary and expected. Attendance will be taken daily and will be one of several factors considered in “borderline” cases. If you know ahead of time that you will have an excused absence, please let me know. Although quizzes, writing assignments, and collected homework will not be made up, writing assignments and homework may be turned in early. Quizzes will not be given early. In the event that an excessive number of quizzes or assignments will be missed for legitimate reasons, please discuss the situation with me as early in the course as possible.

CLASSROOM CONDUCT: Class begins at 1:00 and all students are expected to arrive and be prepared to start class ON TIME. Cell phones, pagers, etc. must be turned off during class. Sending text messages/using cell phones during the class will not be tolerated and is grounds for a pop quiz and/or dismissal from the class.

STUDENT RESPONSIBILITIES: Primary responsibility for learning the material in this course lies with the student. Each student is responsible for attending class regularly, carefully completing daily reading and homework assignments, coming to class on time and prepared, and actively participating in class. Any student having trouble with the material is responsible for seeking help from the instructor, tutors, or fellow students.

Although most homework assignments will not be collected, they are all expected to be completed. There is generally a strong correlation between the amount of effort expended on homework and the level of success on exams. It is expected that reading, studying the text and notes, and writing homework problems will require at least two to three hours per day. Any student who chooses not to fulfill the responsibilities outlined here should not expect to succeed in the course.

Due to the broad spectrum of the material to be covered in this course, the pace will be fast and demanding. You are going to have to work hard consistently throughout the entire semester. Please be sure to allocate enough time to this course.
**GETTING HELP:** In addition to my scheduled office hours, I am also available at many other times. You are most welcome to drop in at any time. However, you may wish to call me or send email to check on my availability if you would like to see me outside of office hours. You are encouraged to take advantage of the free walk-in tutoring service at the Math Assistance Center located in Room 408 Lincoln Building. The Center is open Monday–Thursday from 9:00am to 5:00pm, and on Fridays from 9am to 3:00pm. For more information, call 330-941-3274.

**CENTER FOR STUDENT PROGRESS:** The Marion G. Resch Center for Student Progress is a resource on campus established to help students successfully complete their university experience. Please phone 330-941-3538 or visit the Center for assistance in tutoring or for individualized assistance with social and academic success. The main center is located in Kilcawley West under the bookstore. CSP Disability Services is located at 275 Fifth Avenue.

**STUDENTS WITH DISABILITIES:** In accordance with University procedure, if you have a documented disability and require accommodations to obtain equal access in this course, please contact the Office of Equal Opportunity and Disability Services at the beginning of the semester or when given an assignment for which an accommodation is required. Students with disabilities must verify their eligibility through the Office of Disability Service at 275 Fifth Avenue (330-941-1372) intake procedure.

**PLAGIARISM AND CHEATING:** Academic honesty is expected. Cheating on exams, plagiarism, or any kind of unethical behavior may subject the student to severe academic penalties, including expulsion. See “The Code: A Handbook of Student Rights, Responsibilities, and Conduct” for more information.

**MATHEMATICS ASSISTANCE CENTER (MAC):** For all your mathematical needs:

- Tutoring
- Solutions Manuals
- Computers
- Study Area

**Mathematics Assistance Center**
Location: Lincoln, Room 408
Website: http://stem.ysu.edu/stem/math (under “Student Services”)
E-mail: mathassist@math.ysu.edu
Phone: 330-941-3274
Hours: Fall/Spring: Monday–Thursday: 9:00am–5:00pm
Friday: 9:00am–3:00pm

Check for services available for your course.