MATH 022 A, Spring 2018

INSTRUCTOR: H. P. Read
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OFFICE: Henry Marcus Lord House (16 Colchester Ave.), room 310
OFFICE HOURS:
Mondays and Wednesdays 12:00 – 12:50 pm; Thursdays 2:50 – 4:05 pm. Additional times by appointment.

PRE-REQUISITE: MATH 021

TEXT: James Stewart, Calculus, Early Transcendentals 8e with Enhanced WebAssign.
WebAssign access is required, and includes the eBook version of the text. A printed copy of the text is optional.

We will cover the following chapters.

Chapter 7 – Techniques of Integration
Chapter 11 – Sequences and Series
Chapter 10 – Parametric Equations and Polar Coordinates
Chapter 8 – Further Applications of Integration
Appendix H – Complex Numbers
Chapter 12 – Vectors and the Geometry of Space

ATTENDANCE: Good attendance can contribute significantly to your success. You should try not to miss class unless it is unavoidable. If you miss class for any reason, it is your responsibility to find out what you missed, and do whatever work was assigned so that you won’t be behind when you return to class. If you will be out for an extended period, contact your Dean’s office. If you will be missing any classes due to religious observance or participation on a UVM athletic team, you must notify me in writing by January 22.

CLASSROOM ETIQUETTE: In order that we make the most of our class time, please make every effort to arrive on time and stay until class is dismissed. Please be respectful of the instructor and your fellow students, and refrain from any behavior that would distract from our work. Turn off and put away cell phones, music players, etc., before class begins, and close e-mail, games, and anything else you have running on the computer that is not directly related to our work.

ACADEMIC INTEGRITY: Any suspected violations of the Code of Academic Integrity are taken very seriously and will be forwarded to the Center for Student Conduct for further intervention. For more information about the Code of Academic Integrity, visit the Center for Student Conduct website at www.uvm.edu/sconduct/

SPECIAL ACCOMMODATIONS: In keeping with University policy, any student with a documented disability interested in utilizing accommodations should contact Student Accessibility Services (SAS). SAS works with students and faculty in an interactive process to explore reasonable and appropriate accommodations, which are communicated in an accommodation letter to faculty. All students utilizing Student Accessibility Services are strongly encouraged to meet with their faculty to discuss the accommodations they plan to use in each course.
Contact SAS: A170 Living/Learning Center; 802-656-7753; access@uvm.edu; or www.uvm.edu/access
DAILY HOMEWORK: We will be using the online homework system Enhanced WebAssign. WebAssign homework will be assigned after each class, and will generally be due prior to the next class meeting. **WebAssign Extension Policy:** If you need extra time to finish a WebAssign assignment, you may request an **Automatic Extension**, which will automatically extend the deadline by 24 hours. Automatic extensions carry a penalty of 30% deducted from whatever points have not yet been earned on the assignment. You may request a maximum of two automatic extensions for each assignment, and all work must be completed within 72 hours of the original deadline. If you need additional time beyond what is allowed by the Automatic Extensions, you may request a **Manual Extension**. This should be reserved for cases of genuine emergency. You must include a requested date for the extension, and a reason for the request. Whether or not a manual extension is granted will depend on the circumstances. **Note:** You must wait until after the deadline to request an extension (either kind). Also be aware that no extensions will be granted if you have opened the Answer Key.

MATHEMATICA WORK: We will use the computer algebra system Mathematica routinely throughout the course, including some of the work that we do on homework, quizzes, and tests. There will be a Mathematica assignment (these are called “labs”) due about once a week or so. Your one lowest lab grade will be dropped. It’s okay to work on the labs with your friends and help each other, but each of you must do the work for yourself and answer questions in your own words. Copying from another student or any other source is not permitted. Please work on the labs in a timely fashion. Don’t wait until the last minute when it’s too late to get help if you need it!

Calculators: Calculators are **not permitted**. All work, including quizzes, tests, and homework, is to be done by hand (pencil and paper only), or with Mathematica where permitted.

QUizzes: There will be a quiz approximately once a week. These will usually be announced in advance, but a pop quiz is within the realm of possibility. **Policy for missed quizzes:** Make-up quizzes will not be given under any circumstances. However, since there may be times when you are unavoidably absent due to illness etc., your three lowest quiz grades will be dropped. Please understand that the purpose of the drops is to allow for occasional absences, not to compensate for poor performance or lack of preparation. If you miss any quizzes as a result of adding the class during the Add/Drop period, your grade on the first test will count in place of any quizzes given before you joined the class.

Tests: There will be four tests, on the following dates: **February 6, February 27, April 3 and April 24.**

**FINAL EXAM:** Monday, May 7, 1:30 PM – 4:15 PM. The final exam is cumulative.

**Make-up policy for tests and the final exam:** Make-up tests will be given only in the event of illness or other genuine emergency. If you are unable to take a test or the final exam, you must notify me as soon as possible. You may be required to provide documentation of the reason for your absence. Absence from a test or the final exam without a legitimate reason, or failure to notify me within 24 hours, will result in a grade of zero.

**GRADE CALCULATION:** Your overall average for the course will be calculated as a weighted average, using the following weights.

<table>
<thead>
<tr>
<th>Final Exam 20%</th>
<th>Test Average 40%</th>
<th>Quiz Average 15%</th>
<th>Lab Average 15%</th>
<th>WebAssign Average 10%</th>
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Letter grades will be determined from your overall average according to the following scale.

| A+ | 99 – 100 | B+ | 88 – 89 | C+ | 78 – 79 | D+ | 68 – 69 |
| A- | 90 – 92  | B- | 80 – 82 | C- | 70 – 72 | F  | < 65    |