MATH 5102 - ADVANCED CALCULUS II
SPRING 2020

Instructor: Dr. Chal Benson,
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Meeting times: Tuesday and Thursday 5:00-6:15 p.m. in Austin 206.
Office hours: Tuesday 10:00-11:00, 12:15-1:45; Thursday 10:00-11:00, 3:30-5:00
Course web page: Available through ECU’s BlackBoard system at https://blackboard.ecu.edu/
Prerequisite: Math 5101 (Advanced Calculus I) and Math 3256 (Linear Algebra).
Grades:
• class participation - 5%
• course notes - 5% (As the course proceeds you should produce a comprehensive list of definitions and a comprehensive list of theorems. These will be due on the day of the final exam.)
• homework - 40% (Late homework will not be accepted.)
• Mid-term exam - 20%
• final exam - 30%

Overall course grades $g$ are assigned letter grades according to the following scale.

<table>
<thead>
<tr>
<th>$g$</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>$90% \leq g$</td>
<td>$A$</td>
</tr>
<tr>
<td>$80% \leq g &lt; 90%$</td>
<td>$B$</td>
</tr>
<tr>
<td>$70% \leq g &lt; 80%$</td>
<td>$C$</td>
</tr>
<tr>
<td>$g &lt; 70%$</td>
<td>$F$</td>
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</tbody>
</table>

Typography: Your submitted homework and course notes should be typewritten. The preferred system and de facto standard for typesetting mathematics is LaTeX. This is freely available for PC, Mac and UNIX systems. To install LaTeX on your computer visit [http://www.ams.org/publications/authors/tex/public-domain-tex](http://www.ams.org/publications/authors/tex/public-domain-tex). Alternatively one can run LaTeX over the web using the Overleaf system. Visit [https://www.overleaf.com](https://www.overleaf.com) to register for free access to Overleaf.

Important dates:
• Tues March 10, Thurs March 12 - Spring break, no class these days.
• Weds March 25 - Last day to drop courses without grades.
• Thurs April 23 - Last class.
• Thurs April 30, 5:00-7:30 a.m. - Final exam.
Compliance with ADA: East Carolina University seeks to comply fully with the Americans with Disabilities Act (ADA). Students requesting accommodations based on a disability must be registered with the Department for Disability Support Services located in Slay 138 ((252) 737-1016 (Voice/TTY)).

Academic integrity: Academic integrity is a fundamental value of higher education and East Carolina University; therefore, I will not tolerate acts of cheating, plagiarism, falsification or attempts to cheat, plagiarize or falsify. Should I determine that an academic integrity violation has taken place, I reserve the right either to assign a grade penalty or to refer the case to the Office of Student Rights and Responsibilities for an Academic Integrity Board hearing. I will assign a grade penalty up to an F. or the test or course. Should it come to my attention that you have had a prior academic integrity violation, or if there are other aggravating circumstances, I will refer the case directly to the Office of Student Rights and Responsibilities. Should the Academic Integrity Board determine that you committed an academic integrity violation, you may be assigned a grade penalty and/or any other sanction allowed in the student Code of Conduct, up to and including suspension from the University. The Student Handbook is online.

Attendance: Students are expected to attend punctually all lectures. Absences are counted from the first class meeting after the student registers. Students registering late are expected to make up all missed assignments in a manner determined by the instructor. Students should consult with their instructors about all class absences. It is the responsibility of the student to notify the instructor immediately about class absences, to provide appropriate documentation for an absence, and discuss any missed class time, or tests. Except in the case of university-excused absences, it is the decision of the instructor to excuse an absence or to allow for any additional time to make up missed tests or assignments. Excused absences should not lower a student’s course grade, provided that the student, in a manner determined by the instructor, is able to make up the work that has been missed and is maintaining satisfactory progress in the course.

Student Health Services does not issue official written excuses for illness or injury, but will, upon request at the time of the visit, provide a note confirming that the student has received medical care. In the event that the student is seriously ill or injured at the time of final examinations the Student Health Service or the Center for Counseling and Student Development, on request of the student, may recommend a medical incomplete. Instructors should normally honor written medical excuses from a licensed medical or psychological practitioner that states the student was too ill or injured to attend class and provides the specific date(s) for which the student was unable to attend class due to the medical or psychological problem.
Missed tests: If a student misses a test and presents a satisfactory excuse, the weight of the test will be shifted to the final. If no satisfactory excuse is presented the student will receive a grade of F for the test.

Classroom behavior: It is important that we have a classroom atmosphere that optimizes teaching and learning and we all share the responsibility for creating a civil and non-disruptive forum. Students are expected to conduct themselves at all times in a manner that does not disrupt teaching or learning. Behavior which disrupts the learning process may lead to disciplinary action and/or removal from class as specified in university policies, including the Student Code of Conduct, which is available online.

Final examination: The University establishes a final examination schedule each semester to reduce conflicts in course final examination and to meet the UNC established course hour requirements. There will be no departure from the printed schedule of examinations. Changes for individual student emergencies of a serious nature will be made only with the approval of the instructor. A student who is absent from an examination without excuse will be given a grade of F for the examination. An incomplete (I) for the course will only be given in the case of a student absent from the final examination who has presented a satisfactory excuse to the instructor. No test intended to substitute for the final exam may be given during the week preceding the final examination period. Faculty may not give an examination or an assignment in lieu of an examination on Reading Day.