Math 211
Calculus I

Call # 10922
Times: 9:30 – 10:55 MWF
Room: Ed 131

Math 211 systematically develops the differential calculus of functions of a single variable. Limits and their applications are investigated (Chs. 5-6). Integration by parts is also discussed (Sec. 7.1)

Grading
Lab Assignments (7) 20%
Class Tests (4) 50%
Final Examination 30%
(Wednesday, December 10, 12:30-3:30 p.m. location to be announced later)

Grading
Scale: +/- grades will be used for the final grade at the discretion of the instructor

Laboratory Assignments:
MATH 211 is a four credit-hour course. Three credit-hours will be dedicated to lectures, with the remaining one credit-hour devoted to computer laboratory assignments. Two contact-hours are set aside for each laboratory assignment. If more than two hours are needed to complete an assignment, the lab will be open at other times. Please consult the Open Lab Hours Schedule for a complete list of times.

Typically, you will work on the lab assignments with a partner. Only members of the team who actively participate in completing the entire lab assignment should type their names in the electronic document submitted to the instructor. For example, it is not acceptable for a team to split a lab assignment into two parts and for each student to work on one part only. Any violation of this rule will be considered a breach of the ODU Honor Code.

When you work on the labs with a partner, you should assist one another in both understanding and completing the lab assignments. If neither of you can come up with a solution to a problem, either math or computer related, then get help. The instructor and/or lab assistants will be available whenever the lab is open.

Lab assignments are typically given every Wednesday and are due to be completed before the lab closes on Friday (the open lab hour will be posted at the URL http://www.math.odu.edu/lab). They will be submitted in electronic form and returned, after grading, in the same way.

Mathcad 2001i will be used for all lab assignments. All work on the lab assignments must be done in the lab. As a result of participation in lab activities, you will be expected to acquire some proficiency in using Mathcad. In other words, the work must be spread equally between all members of a team.

All students enrolled in this class are required to have a working NetWare account issued by the OCCS. If you do not have such an account, you must request it immediately at the URL http://season.odu.edu (on the main screen select "NetWare" - this will take you to a screen where you can request a new account).

Last day to withdraw: Tuesday October 21, 2003.

Disability Services Policy:
Reasonable accommodations will be made for students with disabilities provided those students have registered with the Office of Disability Services (683-4655).
Help Sessions:
Department of Mathematics and Statistics makes help sessions available to all Calculus I students in Ed 126. The schedule will be posted under the URL http://www.math.odu.edu/lab.

Honor Code:
By enrolling in this course you agree to adhere to the honor code on all written work: "I pledge to support the Honor System of Old Dominion University. I will refrain from any form of academic dishonesty or deception, such as cheating or plagiarism." I am aware that as a member of the academic community, it is my responsibility to turn in all suspected violators of the honor code.
During exams, spread out as much as possible and try not to sit next to another student. The instructor reserves the right to relocate any student(s) to ensure the Honor Code is not compromised. An Honor Code Signature Line is required on all written work turned in for a grade. However, you are free to collaborate on any homework exercises not turned in for a grade.

Writing Policy:
The exams will require that you respond in writing to present a solution, derivation or proof. All work, whether it uses standard or symbolic writing, must be presented in a clear and logical form, and be reasonably free of spelling, grammar and punctuation errors. To receive full credit on homework and exams, show all work in arriving at your answers.

Computing Policy:
The class tests and the final exam will be "closed book, no calculators, no computers." However, some of the questions may be related to topics developed in lab assignments.

Attendance Policy:
A student who must miss class is expected to get the notes from other students. Students are expected to be present for all labs, tests and exams. Although excessive absences can have a considerable negative effect on a student’s learning and performance, absences from class are not counted.

Make-up Exam Policy: There will be no make-up tests.
If you have a documented accepted reason for missing a test, the score on the final will be used to replace that zero test grade.

Homework:
Suggested homework problems are listed below. You do not need to hand these in, but you are expected to attempt them, and seek help if necessary. Time permitting, the instructor will work a few at the beginning of each class, but for more detailed discussion you should come to office hours or make an appointment with the instructor. Students will be expected to be able to solve all suggested problems. The assigned problems are representative of those given on class tests and the final exam so that your performance in this course will generally reflect the skill attained at solving problems.
Unless otherwise stated, do only odd problems, e.g. problems 1-7 means problems 1, 3, 5, 7.

<table>
<thead>
<tr>
<th>Sec</th>
<th>Pg</th>
<th>Problems</th>
<th>Sec</th>
<th>Pg</th>
<th>Problems</th>
<th>Sec</th>
<th>Pg</th>
<th>Problems</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1</td>
<td>22</td>
<td>1, 5-11, 17-23, 37-41, 53</td>
<td>3.2</td>
<td>197</td>
<td>3-27, 33, 35</td>
<td>4.7</td>
<td>336</td>
<td>1-47, 54, 57</td>
</tr>
<tr>
<td>1.2</td>
<td>35</td>
<td>1-5, 9, 13, 15, 16</td>
<td>3.3</td>
<td>208</td>
<td>1-7, 11, 21, 27</td>
<td>4.9</td>
<td>351</td>
<td>1-5, 7, 11, 13, 17</td>
</tr>
<tr>
<td>1.3</td>
<td>45</td>
<td>1-23, 35-49, 59-63</td>
<td>3.4</td>
<td>216</td>
<td>1-25, 35-45</td>
<td>4.10</td>
<td>358</td>
<td>1-41</td>
</tr>
<tr>
<td>1.5</td>
<td>62</td>
<td>1-25</td>
<td>3.5</td>
<td>224</td>
<td>1-45, 51, 57, 65</td>
<td>5.1</td>
<td>378</td>
<td></td>
</tr>
<tr>
<td>1.6</td>
<td>74</td>
<td>1-31, 35-41, 47-51</td>
<td>3.6</td>
<td>233</td>
<td>1-29, 41-49</td>
<td>5.2</td>
<td>390</td>
<td>33-41, 47-57</td>
</tr>
<tr>
<td>2.1</td>
<td>91</td>
<td>3-7</td>
<td>3.7</td>
<td>240</td>
<td>1-19, 23-39, 43-49</td>
<td>5.3</td>
<td>402</td>
<td>3-41, 49-53</td>
</tr>
<tr>
<td>2.2</td>
<td>102</td>
<td>1-9, 13, 23-29, 35</td>
<td>3.8</td>
<td>249</td>
<td>1-31, 37-45</td>
<td>5.4</td>
<td>411</td>
<td>1-39, 47, 53</td>
</tr>
<tr>
<td>2.3</td>
<td>111</td>
<td>1-29, 35-49</td>
<td>3.9</td>
<td>254</td>
<td>1-23, 31-41</td>
<td>5.5</td>
<td>420</td>
<td>1-43, 49-69, 74</td>
</tr>
<tr>
<td>2.4</td>
<td>122</td>
<td>1-5, 15-21</td>
<td>3.10</td>
<td>260</td>
<td>1-23, 33-37</td>
<td>6.1</td>
<td>442</td>
<td>1-29, 40, 41</td>
</tr>
<tr>
<td>2.5</td>
<td>133</td>
<td>1-19, 31-49</td>
<td>3.11</td>
<td>267</td>
<td>1-25</td>
<td>5.2</td>
<td>452</td>
<td>1-35, 47</td>
</tr>
<tr>
<td>2.6</td>
<td>146</td>
<td>1-47</td>
<td>4.1</td>
<td>285</td>
<td>1-11, 17-25, 31-61</td>
<td>5.3</td>
<td>458</td>
<td>1-25, 37-43</td>
</tr>
<tr>
<td>2.7</td>
<td>155</td>
<td>1-11</td>
<td>4.2</td>
<td>295</td>
<td>1-7, 11-19, 25</td>
<td>5.4</td>
<td>463</td>
<td>1-3, 7, 9, 13, 15, 19</td>
</tr>
<tr>
<td>2.8</td>
<td>163</td>
<td>1-7, 13-29</td>
<td>4.3</td>
<td>304</td>
<td>1-51</td>
<td>5.5</td>
<td>467</td>
<td>1-13, 17, 19</td>
</tr>
<tr>
<td>2.9</td>
<td>173</td>
<td>1-11, 21-31, 37</td>
<td>4.4</td>
<td>313</td>
<td>1-53, 57, 59</td>
<td>7.1</td>
<td>480</td>
<td>1-35, 45, 46</td>
</tr>
<tr>
<td>3.1</td>
<td>191</td>
<td>1-35, 49-59</td>
<td>4.5</td>
<td>323</td>
<td>1-51</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remember: do only odd-numbered problems, and no calculators are to be used on tests or the final exam!