Lab Syllabus for Calculus II (MATH 142)
Department of Mathematics
University of South Carolina
Spring 2005

Lab Overview
The weekly lab meetings are an integral part of Calculus II (MATH 142). These labs are designed with (at least) two purposes:
• to provide an introduction to and instruction in the use of modern computer software (Maple)
• to provide hands-on activities that will further your understanding of the fundamental concepts of calculus.

The computer labs in the Department of Mathematics are part of the SAM (Science and Mathematics) network maintained by the College of Arts and Sciences (CAS). The majority of the funding for these labs, and other academic computing equipment (projectors, printers, …) is from the Student Technology Fee. All of the computers in LC 102, 124, 303A, 401 and PSC 102 are part of the SAM network.

Lab Materials
All lab materials can be downloaded from the WWW. The lab homepage is http://www.math.sc.edu/~meade/142L-S05/.

To see the actual lab assignments, click on the Lab Assignments link. The Maplets for Calculus link points to a comprehensive list of maplets for use in calculus courses. Hint: Add the lab homepage to your list of Favorites.

Access to Maple 9.5
Maple 9.5 is available on all computers in the academic computing labs maintained by the College of Arts and Sciences, in the open labs in the residence halls, and in the library. If you would like to have Maple installed on other University owned or leased computers, please discuss this with your TA.

Students in this course may download a full copy of Maple 9.5 for $40 or receive the software on a CD for $50. All purchases under this plan must be made online at http://webstore.maplesoft.com/. The promotion code is DM5458 and the course name is “D. Meade Math 142”.

Grading
Lab grades will be based on three (3) lab projects, three (3) hour-long quizzes, weekly mastery quizzes, and your attendance.

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<thead>
<tr>
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<th>Points</th>
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<tbody>
<tr>
<td>Projects</td>
<td>45</td>
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<tr>
<td>Hour Quizzes</td>
<td>45</td>
</tr>
<tr>
<td>Mastery Quizzes</td>
<td>30</td>
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<tr>
<td>Attendance</td>
<td>10</td>
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<tr>
<td>Total</td>
<td>130</td>
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Additional information about quizzes and projects will be distributed in advance of these assignments. Each lab missed will lower your attendance grade by one (1) point; see also the Attendance Policy.

Attendance Policy
Attendance at every class and lab meeting is important – and expected. Students missing more than 10% of the class meetings (2 labs) can have their overall lab grade lowered.

Do not forget to sign the attendance form each week!

Academic Honesty
Cheating and plagiarism will not be tolerated in the labs. You may discuss lab assignments with others, but do not copy work from another student, from a book, or from the Internet. Violations of this policy will be dealt with according to University guidelines.