Learning Experiences

1. The class meets Monday through Thursday from 11:10 a.m. to 12:10 p.m. Attendance is very important, so do not miss class unless it is absolutely necessary. I will take roll during each class meeting. Students who miss class during the first week of the semester will be dropped to make room for students on the waitlist. If you do miss a class, it is your responsibility to notify me that same day by 5 pm, and to contact a classmate regarding material before the next class meeting.

Please turn off your cellular phone and put it out of sight while you are in class. Also, all music listening devices and ear buds must be turned off and put away during class time. If I see or hear any of this equipment during class, you will be dismissed from class.

2. If you find that you cannot attend class regularly or cannot do the work, it is your responsibility to drop this course so that you do not receive a failing grade. IF YOUR CUMULATIVE ABSENCES EXCEED THE TOTAL HOURS THAT THE CLASS MEETS DURING TWO WEEKS YOU MAY BE DROPPED FROM THE CLASS.

Last day to drop without a “W” Feb. 1
Last day to withdraw from a class Mar. 27

3. Homework is essential in learning mathematics. You should make every effort to do each assignment completely. Homework quizzes (15 points each) will be given each week. Homework quizzes cannot be made up.

4. Five activity assignments (10 points each) will be collected and graded. These assignments should be turned in on the specified due date. Activity assignments cannot be made up.

5. Four review assignments (15 points each) will be collected and graded for completion. These assignments should be turned in on the specified due date. Review assignments may be turned in one calendar day late for a maximum of half credit.

6. Four exams (100 points each) will be given. Any missed exams will receive a score of 0 and make-up exams will not be given. You may, however, take an exam early one time if arrangements are made with me. Exam dates will be announced one week prior to the exam.

7. The final exam (200 points) will be cumulative and is scheduled for Wednesday, May 13, 10—11:50 a.m. Before a grade can be given, the final exam must be taken. If you do not take the final exam, you will receive an F as a final grade.

Catalog Description: Continuation of Calculus II. Vectors and parametric equations, vector-valued functions, partial differentiation, multiple integrals, vector analysis, including theorems of Green, Gauss and Stokes.
Student Learning Outcomes

Upon completion of this course, the student will:


2. Find the equations of lines and planes, compute distances, and find the line of intersection between planes. Graph quadric surfaces. Understand rectangular, cylindrical, and spherical coordinates.

3. Understand vector-valued functions and their applications.


5. Compute and apply double and triple integrals using rectangular, cylindrical, or spherical coordinates. Apply Jacobian transformations.

6. Understand Vector Fields and compute Line Integrals as applied to work, conservative and potential fields, curl, and divergence. Be familiar with Green’s, Stoke’s and the Divergence Theorem.

Grading

Your grade will be determined as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quizzes</td>
<td>120</td>
</tr>
<tr>
<td>Activities</td>
<td>50</td>
</tr>
<tr>
<td>Reviews</td>
<td>60</td>
</tr>
<tr>
<td>Exams</td>
<td>400</td>
</tr>
<tr>
<td>Final Exam</td>
<td>200</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>830</strong></td>
</tr>
</tbody>
</table>

The grading scale is standard. Your course grade will be determined according to your total points.

- A: 747—830 points
- B: 664—746
- C: 581—663
- D: 498—580
- F: below 498 points

Any form of Academic Dishonesty will not be tolerated and will result in a zero for that grade. This is the only warning you will receive.

Holidays on which classes will not be held:

- Lincoln Day Holiday: Feb. 13
- Washington Day Holiday: Feb. 16
- Spring Break: March 30—April 4

“Do not worry about your difficulties in mathematics. I can assure you mine are still greater.”

Albert Einstein

Students with disabilities who believe they may need accommodations in this class are encouraged to contact Disabled Student Programs & Services in the Student Services Building, 1st floor, counseling center, (661) 395-4334, as soon as possible to better ensure such accommodations are implemented in a timely fashion.