Syllabus

MAC 2312 – 10415, Calculus II, Spring 2009

Course Instructor: Dr. Beyza C. Aslan
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URL: http://www.unf.edu/~beyza.aslan
Office Hours: MW 11:40am – 1:30 pm and 2:45 pm – 4:00 pm, or by appointment

Meeting times: MW 10 – 11:40 am
Meeting location: Building 10, 1343
Prerequisite: Calculus I
Credits: 4 semester hours

Important dates:

First day of classes: January 5, 2009
Last day to drop/add: January 9, 2009
MLK Day: January 19, 2009
Last day to withdraw: March 27, 2009
Spring Break: March 16-20, 2009
Last day of classes: April 17, 2009
    Exam I: on Wednesday, February 11, 2009;
    Exam II: on Wednesday, March 11, 2009;
    Exam III: on Wednesday, April 22, 2009.
(These dates are approximate and may be slightly shifted due to unforeseen circumstances.)

Assessment procedures and grading:

• Student achievement will be assessed by the following measures:
  
  – **Three exams:** Exams may include short questions for which either full credit or no credit is awarded as well as problems requiring in depth understanding for which partial credit is awarded where appropriate. Each test is worth 100 points.
  
  – **Weekly homework assignments:** 11 homeworks will be assigned during class. Each homework is worth 5 points and the lowest score will be dropped.
Homework will be collected in class. You must attend the lecture to be able to submit your homework. No late/early work is accepted. No make-ups will be given.

- **Quizzes**: 6 quizzes will be given during class. Each quiz is worth 10 points and the lowest score will be dropped. No make-ups will be given.

- **Grading**:

<table>
<thead>
<tr>
<th></th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exams</td>
<td>300</td>
</tr>
<tr>
<td>Homeworks</td>
<td>50</td>
</tr>
<tr>
<td>Quizzes</td>
<td>50</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>400</td>
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Your final grade is determined according to the following table:

<table>
<thead>
<tr>
<th>Course performance:</th>
<th>360-400</th>
<th>320-359</th>
<th>280-319</th>
<th>240-279</th>
<th>below 239</th>
</tr>
</thead>
<tbody>
<tr>
<td>Final Grade:</td>
<td>A-,A</td>
<td>B-,B,B+</td>
<td>C,C+</td>
<td>D</td>
<td>F</td>
</tr>
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</table>

**Course content**: Selected material from the chapters 5, 6, 7, 8, and 9. A detailed list can be found on the attached calendar.

**Course policies**:

- Please make sure that you are able to receive e-mail through your UNF account and that you check your e-mail often, at least few times a week. Official course announcements may be sent to that address.

- No cell phones, laptops, or other electronic devices are allowed in the classroom unless otherwise mentioned. If the use of such devices become very distracting to the instructor, or others, the lecture will be discontinued and the students will be responsible for the rest of the material that could not be covered in class.

- The lowest homework and quiz scores will be dropped to account for any missed assignments due to illness or any other circumstance. Therefore no make-ups will be given for homeworks or quizzes. If a test is missed due to a serious verifiable circumstance or official university business, the test will be made up at a later time if a documentation is provided. You have to advise the instructor of such circumstances at the earliest possibility. It is your responsibility to start the process to set a date for a make-up exam.

- No books or notes will be allowed during any of the exams. Use of a calculator is allowed, though not necessary. However, calculators that do symbolic algebra such as TI-89/92, or Casio FX2 or 9970G cannot be used in class or during an exam.
Always show your work unless problem is explicitly stated otherwise. Answers without work, even if they are correct, will receive no credit.

Students with disabilities who seek reasonable accommodations in the classroom or other aspects of performing their course work must first register with the UNF Disability Resource Center (DRC) located in Building 10/1201. DRC staff members then prepare a letter for the student to provide faculty advising them of approved accommodations. For further information, contact DRC by phone at (904) 620-2669, by e-mail at kwebb@unf.edu, or visit the DRC web site at http://www.unf.edu/dept/disabled-services/index.htm.

The above schedule, policies, and assignments in this course are subject to change in the event of extenuating circumstances or by mutual agreement between the instructor and the students.

Tips: Keep up with your homework. Ask if you have questions or need help. By working steadily and regularly, you will increase your chances to succeed in this course. Remember, being a full-time student is a full-time job.

General Education Outcomes:

MAC 2312 is designed to satisfy the following criteria from the Central Student Outcomes of General Education:

II.D.1. Students should be able to demonstrate general knowledge of the breadth, power, and development of major areas of mathematics.

We reach this goal by devoting about two-thirds of the course to integration and about one third of the course to infinite series. An important application of the integration techniques and concepts studied in this course is the calculation of volumes of solids with curved surfaces. Course lectures cover integration, integration techniques, and convergence and divergence of infinite series. These lectures also include the concepts needed to understand the topics, the skills needed to apply the concepts, and a discussion of the scope of these concepts.

II.D.2. Students should be able to demonstrate proficiency in solving problems using mathematical concepts and quantitative reasoning.

We reach this goal by setting-up and evaluating integrals and by studying tests for the convergence and divergence of infinite series. The acquired techniques will be applied to calculate volumes of revolution and to determine convergence properties of infinite series.