2014

MATH 150-04 Elements of Calculus I

Andrew Hill

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Xavier University

Elements of Calculus I
Spring 2014

Math 150-04 (3 credits) - TR 8:30am – 9:45am, Hailstones Hall 17

Professor: Andrew R. Hill
Email: hilla7@xavier.edu
Phone: 745-3843

Office: 6 Lindner Hall
Hours: TR: 10:00-11:00, WF 1:00-2:00 or by appointment

Course Description: In this course, you will study limits, derivatives and integrals of several types of functions as well as their properties, graphs and real-world applications.


Calculator: Each student must have a TI-83/84 calculator. As a matter of departmental policy, only these calculators may be used on tests. Learn to use your calculator and bring it with you to every class. It will be your sword in the battle against unsolved problems. Wield it with wisdom, courage and skill!

Course Requirements: Your final grade will be based on the following

- Homework (best 10 scores at 10 points each) 100 points
- Test 1 (Ch. 1-2) 100 points
- Test 2 (Ch. 2-3) 100 points
- Test 3 (Ch. 4) 100 points
- Final Exam (Cumulative, with emphasis on Ch. 5) 100 points

The lowest of these six items will be dropped, and your final grade for the course will be based on the remaining 500 points.

The grading scale for each graded item in the course will be: A: Exceptional (90-100%), B: Good (80-89%), C: Satisfactory (70-79%), D: Minimum Passing (60-69%), F: Failure (below 60%). The upper 3 points of each range earn a plus and the lower 3 points of each range earn a minus.

Blackboard: You are required to check this web site daily. To access Blackboard, go to http://blackboard.xavier.edu and log in. Then click the link to this course. Class announcements and homework assignments will be posted there. The Course Content section will have copies of all course handouts. Your attendance and grades will also be posted. However, grades on Blackboard are not official. All official grades will be calculated and recorded in the instructor’s own files. If you believe that a grade has been incorrectly posted on Blackboard, or if you would like to see your official grade sheet, please contact the instructor.

Homework: Completion of homework is an expected part of preparation for each class. Approximately once per week, homework will be collected and partially graded. Only homework submitted at class time on the due date will be accepted. But only your 10 best homework scores will figure into your final grade. To receive credit for homework problems, you must show your work. *If no work is shown, no credit will be given.*
Tests and Exams: Tests must be taken at the scheduled time and cannot be made up. If you are absent from a test, you will receive a zero, and that test will be your dropped score for the semester (see the course requirements section above). The final exam must be taken at the scheduled time unless there are extreme and unforeseeable circumstances, as judged by the instructor.

Attendance Policy: Only three absences will be tolerated without academic penalty. Each absence after the third will result in a reduction of your final grade by three points on the hundred point scale. No distinction is made between excused and unexcused absences. However, if you need to miss more than three classes for good reasons (illness, athletic commitment, family concern, etc.), please contact the instructor within a day or two of each absence after the third to find out whether there is a way to earn attendance credit for that session.

Students are generally expected to be on time for class and to remain until the session has ended. (It’s only a 75 minute commitment!) Arriving late or stepping out during class can be a distraction to others and also means that you will miss out on part of the discussion. Therefore, every four times that you arrive late, leave early, or step out in the middle of class, this will be counted as an absence. If you come to class after the roll has been called, it is your responsibility to see the instructor after class to make sure that your attendance has been counted.

Academic Honesty: Academic honesty is expected of all Xavier students. Conduct such as copying from the work of others or using unauthorized notes (cheat sheets, items stored in calculator memory, etc.) will not be tolerated. In any case of academic dishonesty, the dean of the student’s college will be notified and the presumed penalty will be failure for the assignment.

The instructor reserves the right to inspect your calculator during a test/exam for any reason at any time. Anything stored in memory that is deemed inappropriate by the instructor will be deleted. The protective case must be removed from the calculator during all tests.

Math Lab: Please make use of the Math Tutoring Lab in CLC 419. It is open Sunday 2pm-8pm, Monday-Thursday 10am-8pm, Friday 10am-2pm, and closed on Saturday. The phone number is 745-3069.

Special Accommodations: Accommodations will be made for students with learning disabilities according to the needs specified for each student by Xavier’s Learning Assistance Center (745-3280, http://www.xavier.edu/lac/), provided that the instructor has received this information in sufficient time to make the accommodation.

Calendar: The following calendar is tentative and subject to change. If you miss a session of class, it is your responsibility to contact the instructor or another student to find out what preparation is expected for the following session.

<table>
<thead>
<tr>
<th>Tues.</th>
<th>1/14</th>
<th>Introduction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thurs.</td>
<td>1/16</td>
<td>Chapter 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1/19</td>
<td>Last day to add or drop courses</td>
</tr>
<tr>
<td>Tues.</td>
<td>1/21</td>
<td>Chapter 1</td>
</tr>
<tr>
<td>Thurs.</td>
<td>1/23</td>
<td>Chapter 1</td>
</tr>
<tr>
<td>Tues.</td>
<td>1/28</td>
<td>Chapter 1</td>
</tr>
<tr>
<td>Thurs.</td>
<td>1/30</td>
<td>Chapter 2</td>
</tr>
</tbody>
</table>
Tues. 2/4  Chapter 2
Thurs. 2/6  Chapter 2

Tues. 2/11  **Test #1**
Thurs. 2/13  Chapter 2

Tues. 2/18  Chapter 2
Thurs. 2/20  Chapter 3

Tues. 2/25  Chapter 3
Thurs. 2/27  Chapter 3

**SPRING BREAK**

Tues. 3/11  Chapter 3
Thurs. 3/13  Chapter 3

Tues. 3/18  Chapter 3
Thurs. 3/20  **Test #3**

Tues. 3/25  Chapter 4
Thurs. 3/27  Chapter 4

Tues. 4/1  Chapter 4
Thurs. 4/3  Chapter 4

Tues. 4/8  Chapter 4
Thurs. 4/10  **Test #4**

Tues. 4/15  Chapter 5

**EASTER BREAK**

Tues. 4/22  Chapter 5
Thurs. 4/24  Chapter 5

Tues. 4/29  Chapter 5
Thurs. 5/1  Chapter 5

Tues. 5/6  **Final Exam: 8:30 a.m. - 10:20 a.m. (in our usual classroom)**