Calculus for Life Sciences with Applications I  
MATH 1750 Sections 1, 2, and 3, SPRING 2012

INSTRUCTOR: PK (Paramasamy Karuppuchamy) , Office: UH 2030 D, Ph: 419-530-3249  
EMAIL: Paramasamy.Karuppuchamy@utoledo.edu  
OFFICE HOURS:  MWF 8:20 - 09:00 AM and 11:00 - 12:00  
LECTURES:  MWF: 10:00-10:50 AM in SM 2100 (Sections 1, 2, 3)  
RECITATION:  Section 1: TR 9:00 -9:50 AM in MH 1003  
Section 2: TR 10:00 -10:50 AM in UH 4440  
Section 3: TR 11:00 -11:50 AM in UH 4540  


PREREQUISITES:  ACT Math Score of 22 or higher (or) College Algebra Placement score of 12 or higher  

RESOURCES:  1. Mathematics Tutoring is provided by the Mathematics Learning and Resource Center that is located in the basement of Carlson Library – Phone Extension 2176. Hours: Monday and Thursday 9AM– 8 PM; Tuesday and Wednesday 9AM – 9PM; Friday 9AM -2 PM  
2. My homepage http://math.utoledo.edu/~pkarupp/ will have additional materials for our course. I encourage you to make use of my office hours.

HOMEWORK: Typically, homework will be assigned weekly and collected at the beginning of the class on the due date. Assignments and their due dates will be posted at the homepage and/or announced in the class. Late assignments will not be accepted unless in extraordinary circumstances. You must show all your calculations and reasoning clearly and neatly to get full credits. Each homework worth 50 points. Average of 10 best homework scores will contribute 50 points to your final score.

WEBWORK: You will also have online homework problems. Login to the website http://brahmagupta.uhe.utoledo.edu:8080/webwork2/MATH1750_02_03/  
User id: Your Last Name (First letter should be capital letter: example: Scott)  
Password: Your Rocket Number (Starting with R)  
Login to the webwork and change your password if you wish. But you should enter a valid email address. Otherwise you won’t get reply if you send email from the webwork.
Some important features:  
• It is free software to deliver online homeworks.  
• You don’t need any special software in your computer. Just an internet access and a browser is enough.  
• You will get instant feedback. Almost all the problems will allow you to make infinitely many attempts. Your score does not depend on how many attempts you make before entering the correct answer. But you must submit the correct answer once before the due date to get credit for a problem. All your past answers will be stored.  
• You can use webwork to practice for the exams. It does not affect your webwork score even if you enter a wrong answer for a problem which you already got it correct.
• HINT: Don’t keep guessing your answer. Work on a problem. Enter your answer. Submit your answer. If your answer is not correct, go through your work. Try to find out the mistake. If you can’t, refer the text book or discuss with your friend ask me or the TA. If none of these works for you send me an email. You can send email to the instructor from the webwork site.  
• Your friends’ webwork problems will be slightly different than yours. So feel free to discuss with your friends. Use calculators to handle complicated arithmetic.  
• Usually webwork accepts answers in many equivalent forms (refer my homepage for a list of accepted webwork symbols). Some problems will ask you to get the answer in particular form.
WEBWORK SCORE: Each WebWork problem worth 1 point. More than 100 problems will be assigned all together. Some of them will have multiple parts. You need to solve 100 problems to get full score of 100 points for the WebWork. But if you solve more than 100 points, you will get bonus points. For example if you solve 120 problems you will get 20 bonus points. This will be the only option to get bonus points. You need to work hard from the beginning to get these bonus points.

JOINT WORK: Students may discuss the homework and webwork problems with each other and may receive help from others, but must write up their homework solutions on their own. Copying another student’s homework is a violation of academic integrity. Students will not be allowed to discuss during the exams.

EXAMS: There will be three in-class exams and a comprehensive final exam. Exams are closed book/notes. Calculators are not permitted. Syllabus for each in-class exam will be announced in the class. (Usually all the (new) materials covered by the exam date for the midterm exams)

MISSED EXAMS: Absences for an exam can only be excused if your reason is covered by the University's Missed Class Policy. If you fail to show up for an exam without a valid reason, you will not be able to make up that exam and you will get a 0. If you wish to avoid a failing grade for the class then it is up to you to initiate a drop/withdrawal.

COURSE GRADE: The final grade for the course will be based on the six course components given in the table below.

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
<th>Points Accumulated</th>
<th>Intended Final Letter Grade</th>
<th>Points Accumulated</th>
<th>Intended Final Letter Grade</th>
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</thead>
<tbody>
<tr>
<td>Webwork</td>
<td>100</td>
<td>[558, 600)</td>
<td>A</td>
<td>[456, 480)</td>
<td>C+</td>
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<tr>
<td>Exam 1</td>
<td>100</td>
<td>(540, 558)</td>
<td>A-</td>
<td>[438, 456)</td>
<td>C</td>
</tr>
<tr>
<td>Exam 2</td>
<td>100</td>
<td>[516, 540)</td>
<td>B+</td>
<td>[420, 438)</td>
<td>C-</td>
</tr>
<tr>
<td>Exam 3</td>
<td>100</td>
<td>[498, 516)</td>
<td>B</td>
<td>[396, 420)</td>
<td>D+</td>
</tr>
<tr>
<td>Homework</td>
<td>50</td>
<td>[480, 498)</td>
<td>B-</td>
<td>[378, 396)</td>
<td>D</td>
</tr>
<tr>
<td>Final Exam</td>
<td>150</td>
<td></td>
<td></td>
<td>[360, 378)</td>
<td>D-</td>
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<tr>
<td>TOTAL SCORE</td>
<td>600</td>
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<td>&lt;360</td>
<td>F</td>
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IMPORTANT DATES:

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<tr>
<td>First day of classes</td>
<td>Last day to Drop</td>
<td>Last Day to withdraw</td>
<td>Last day of classes</td>
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*All these dates (except the three midterm exams) are fixed by the universities. You may check the university website. [http://www.utoledo.edu/offices/registrar/exam_schedules.html](http://www.utoledo.edu/offices/registrar/exam_schedules.html)

COURSE OUTLINE: We will cover the following sections (Detailed weekly reading assignments and Weekly homework assignments are posted at my homepage.)

- We will cover the following sections from Caudia Neuhauser’s Book
  Sections 1.1, 1.2, 3.1-3.5, 4.1-4.8, 5.1-5.5
- We will cover the following sections from Schaum’s outlines, Trigonometry

HONOR CODE: Academic dishonesty will be dealt with in a manner consistent with the university’s policy statement on academic dishonesty (see [http://www.utoledo.edu/dl/students/dishonesty.html](http://www.utoledo.edu/dl/students/dishonesty.html) for more information). You are responsible for all the materials covered in the class and all the announcements made in the class. If there is any change in the syllabus or course policy it will be announced in the class. Regular attendance is very important to succeed in this course.