Math 121: Calculus Syllabus Fall 2013

Instructor: Hongjuan Zhou
Office: 557 Snow Hall
Hours: Friday 9:35 - 10:55 a.m. or by appointment
Email: hzhou@math.ku.edu

Coordinator: Bozenna Pasik-Duncan
Office: 503 Snow Hall
Hours: T 3 - 4 p.m. or by appointment
Email: bozenna@math.ku.edu

Website: http://www.math.ku.edu/ksacg/121/2013_Fa/math121fa2013.html
Here you will find announcements, assignments, important links, and other resources.

Course Information:
- **Time:** MWF 1:00 - 1:50 p.m. (lecture) and WF 9:00 - 9:50 a.m. (lab)
- **Room:** Budig 120 (lecture) and Snow 156 (lab)
- **Line #:** 23592 (lecture) and 13499 (lab)
- **Description:** Differentiation and integration of algebraic and trigonometric functions. Applications to physical sciences and engineering.

Required Materials:
- **Text:** WebAssign + eBook access for Stewart’s Calculus, ISBN: 9780538738071.
- **Tech:** graphing calculator or phone/tablet/laptop with access to math software or web-resources.

Common Exams:
- There will be three common exams held in 120 Budig Hall for all 14 sections of Math 121:
  - **Exam 1**, worth 20% of the final grade, is on **Tuesday, 10/8, from 5:45 - 7:45 p.m.**
  - **Exam 2**, worth 20% of the final grade, is on **Wednesday, 11/6, from 5:45 - 7:45 p.m.**
  - **Final Exam**, worth 30% of the final grade, is on **Thursday, 12/19, from 4:30 - 7:00 p.m.**
- If a student has a preexisting conflict with the original scheduled time for any exam, he/she must make arrangements with the course coordinator in advance. If a student misses an exam due to an emergency, he/she must contact the coordinator immediately following the incident in order to schedule a make up exam. In either case, justifying documentation will be required.
- A student must bring writing implements and photo identification to each exam. No other items are allowed in the testing room; in particular, calculators, phones/tablets/laptops, books, notes, purses, and backpacks should all be left at home.

Evaluation & Point Distribution:
- The course is divided into three units, with an exam marking the conclusion of each.
- A student’s accumulation of points throughout all three units will be the benchmark for the final grade he/she receives in the course.
- Points may be earned from homework, quizzes, the Gateway Exam, attendance/participation, and exams according to the following distribution:

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework</td>
<td>100</td>
</tr>
<tr>
<td>Quizzes</td>
<td>100</td>
</tr>
<tr>
<td>Gateway Exam</td>
<td>30</td>
</tr>
<tr>
<td>Attendance</td>
<td>70</td>
</tr>
<tr>
<td>Exam 1</td>
<td>200</td>
</tr>
<tr>
<td>Exam 2</td>
<td>200</td>
</tr>
<tr>
<td>Final Exam</td>
<td>300</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1000</strong></td>
</tr>
</tbody>
</table>

Extra Credit:
- Each student will have the opportunity to earn up to 100 extra credit points throughout the semester.

Homework & Quizzes:
- Homework will be assigned and collected weekly, both online and in class.
- Quizzes will be given regularly, both online and in class.
- See the course webpage for more details about homework, quizzes, and extra credit opportunities!

Attendance & Participation:
- Class attendance and participation are vital components of student success.
- Attendance points comprise a significant percentage of the final grade and should not be overlooked.
Coordinator Information:
• Any general questions about Math 121 should be addressed to the course coordinator, Professor Bozenna Pasik-Duncan, whose contact information is given at the top of this syllabus.

Course Structure:
• The course will be comprised of a series of “mini-units” focusing on fundamental Calculus topics.
• Each mini-unit will involve a motivating exploration of one or more relevant, real-world problems, followed by a sequential development of the mathematical tools needed to solve them.
• Once this computational and theoretical framework is in place, the original problems will be revisited and related problems will be considered.

Academic Honesty:
• There is a zero-tolerance policy for cheating, plagiarism, of any other forms of academic misconduct.

Office Hours and Help Room:
• Students are encouraged to bring questions to the instructor’s office hours.
• If a student has unavoidable conflicts with all posted hours, he/she may request an individual appointment.
• The Calculus Resource Center, located in 439 Anschutz Library, is a drop-in help room for Math 121/122 students.

Email Communication:
• The instructor will periodically disperse course announcements via email.
• Students are responsible for checking their email daily in order to be aware of all such announcements.
• The email address a student has filed with the Registrar’s Office will be used unless he/she makes other arrangements with the instructor.

Important Dates:
• Students are advised to carefully review the dates below and immediately inform the instructor of any conflicts.

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug. 26</td>
<td>First day of classes</td>
</tr>
<tr>
<td>Sep. 2</td>
<td>Labor Day (no classes)</td>
</tr>
<tr>
<td>Oct. 8</td>
<td>Exam 1 (5:45 - 7:45 p.m.)</td>
</tr>
<tr>
<td>Oct. 11</td>
<td>Online Gateway Exam deadline</td>
</tr>
<tr>
<td>Oct. 12 - 15</td>
<td>Fall break (no classes)</td>
</tr>
<tr>
<td>Oct. 25</td>
<td>In-lab Gateway Exam deadline</td>
</tr>
<tr>
<td>Nov. 6</td>
<td>Exam 2 (5:45 - 7:45 p.m.)</td>
</tr>
<tr>
<td>Nov. 27 - Dec. 1</td>
<td>Thanksgiving break (no classes)</td>
</tr>
<tr>
<td>Dec. 12</td>
<td>Last day of classes</td>
</tr>
<tr>
<td>Dec. 13</td>
<td>Stop day (no classes)</td>
</tr>
<tr>
<td>Dec. 19</td>
<td>Final Exam (4:30 - 7:00 p.m.)</td>
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</tbody>
</table>

Prerequisites:
• Note: Math 121 is open for only two credits to students with credit in Math 115.
• To encourage success in Math 121, students are expected to have completed one of the following:
  o Math 103 or Math 104,
  o three years of college preparatory mathematics, including trigonometry, and a score of 28 or more on Enhanced ACT Mathematics,
  o a qualifying score on the mathematics placement test.

Add/Change Information:
• Students should meet with Lindsey Deaver (ldeaver@math.ku.edu), the KU mathematics enrollment advisor, to discuss any add or change of sections after the online period allowed by the university.

Drop Information:
• The last day to drop a Fall 2013 full-semester KU course without penalty is Monday, September 16.
• The last day to withdraw from a Fall 2013 full-semester KU course is Wednesday, November 20.

Special Needs:
• The staff of Accessibility Resources in 22 Strong Hall (785-864-2620) coordinates accommodations for students in all KU courses.
• Students should bring any special needs to the attention of the instructor within two weeks of the first day of classes.