Math 115: Calculus I – Fall, 2014

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Office hours: 3:40 – 5 PM TR and by appointment.

Class Web Page: http://www.math.ku.edu/academics/Purna/math115/ (Maintained by course coordinator Professor B. P. Purnaprajna)

Consulting Room: Graduate teaching assistants will be available in Snow 308 to help Math 115 students with the course material and homework. The schedule is posted on the course website: http://www.math.ku.edu/academics/classes/math115/

Textbook: Applied Calculus, Math 115 by S. T. Tan, Ninth Edition. (Required). We will cover most of Chapters 2 through 6.

Calculator: TI-83 plus Graphing Calculator or equivalent (Required).

Common Exams: The two common exams, the midterm and the final, are scheduled on Wednesday, October 22 from 5:45 – 7:45PM and Thursday, December 16 from 4:30 – 7:00PM. The format for both exams will be True or False and multiple-choice.

Gateway Exam: Gateway Exam consists of two parts; the online exam and the In-lab exam. Passing the Gateway Exam means calculating correctly the derivatives of 8 out of 10 functions chosen randomly from a list of 100 functions posted at the course website. The online exam is available from the September 2. The deadline to pass the online exam is October 24 at 5PM. Passing the exam gives you 100 points toward your course grade. Detailed instructions and deadlines for In-lab exam are given at the following website:

https://www.math.ku.edu/academics/gateways/math-115.html

If you have any further questions on gateway, e-mail: gateway-help@math.ku.edu.

In-class Exams: Two in-class exams are tentatively scheduled on Tuesday, October 7 and Thursday, November 18. The in-class exams may not be multiple-choice ones and you need to provide details leading to your answers. Partial credit may be given for these exams. You have to write the in-class exams in the blue exam book, that you need to bring. This is mandatory.

Make-up exams: Students who miss the common and in-class exams should gather evidence and bring them to me immediately to get the permission for taking make-up exams. Make-up exams are only available in case of dire emergencies or unexpected, serious scheduling conflicts. There will be NO early make-up exams.

Homework: Homework is due at the beginning of almost every Tuesday’s class for the problems assigned in the previous week (see the HW assignment sheet for details). Late homework is not acceptable under any circumstances. Your best 10 homework scores will be used toward your course grade.
Grading: Your course grade will be solely based on the points you have earned. A maximum of 1000 points is distributed in the following way.

Homework ................................................................. 200 points
In-class Exams 1 and 2 ................................................... 200 points
Gateway Exam .............................................................. 100 points
Midterm Exam ............................................................... 200 points
Final Exam ................................................................. 300 points

Total 1000 points

Grade Dispute: Graded exams are returned during class to the student. If a student wishes to discuss the exam grade, it must be done within two weeks following the date of the exam. Under some circumstances you may be asked to explain your complaint in writing.

Drop Policy: The University Drop Policy can be found at


08/25/14 First day of classes (Note! It is a Friday)
08/29/14 Last day to add or change sections on-line
09/16/14 Last day to drop a course (can be done on-line)

Computer and Email Access: All students will need internet access to get to the assignments and read course announcements. KU will provide you with an account and there are labs on campus with computers available. You also need to have an email address registered with the University so that you can receive course information. Register an email address or check to see that your registered one is one that you check regularly by visiting https://www.aims.ku.edu/services/exchange.shtml.

Accommodation: The KU Office of Services for Students with Disabilities (SSD), Strong Hall 22, (785)864-2620, coordinates accommodations and services for KU courses. If you have a disability for which you may request accommodation in KU classes and have not contacted SSD, please do so as soon as possible. Please also see me privately in this regard.

Intellectual property: Intellectual Property Course materials prepared by the instructors, together with the content of all lectures, are the property of the instructor. Video and audio recording of lectures without the consent of the instructor is prohibited. Permission to make such recordings may be granted by the instructor on a case by case basis, on the condition that these recordings are used only as a study aid by the individual making the recording. Unless explicit permission is obtained from the instructor, recordings of lectures may not be modified and must not be transferred or transmitted to any other person, whether or not that individual is enrolled in the course. Uploading of course materials to other web sites is not permitted.

Disclaimer: The Instructor reserves the right to modify the schedules (e.g., office hours, dates of in class exams) and procedures described in this syllabus. Any such changes will be announced in the class. It is the student’s responsibility to keep informed of such changes.
<table>
<thead>
<tr>
<th>HW</th>
<th>Lect</th>
<th>Problems</th>
<th>Due Day</th>
</tr>
</thead>
</table>
| #1 | 8/26   | §2.1: 4, 9, 10, (14), (18), 25, (26), 30, 32, (36).  
§2.1: 38, (46), 52, 57, 58; §2.2: 6, 12, 22, 25, (28), 32, 40, (48), 54, 58.  
§2.3: 3, 7, 11, (12), (16), (18), 50, 52, (72), 74, (76). | 9/02    |
| #2 | 9/02   | §2.4: 3, 4, (6), 8, (12), 18, (20), 34, 38, 49, (60), (62), 66.  
§2.4: 68, 70, 76, (78), §2.5: (2), 4, 6, 8, 9, 14, (28), 34, 38, (40), (44)  
§2.5: 52, (54), 56, 58, (60), (74), 82 | 9/09    |
| #3 | 9/09   | §2.6: 6, 10, 16, 18, 22, (24), 26, 30, 32, 34, 42, 45, 47, 48., 49, 50, 52.  
Ch.2 Review Exercises: 1, 5, 9, 10, 13, (16), (20), 25, 28, 33, (37), 40, 43. | 9/16    |
| #4 | 9/11   | §3.1: 14, 18, 32, (36), (40), (44), 46, (48), 50, 58, 61, 71  
§3.2: (10), 23, 24, 33, 34, (38), (42), (44), 46, (56); §3.3: 14, (18),  
§(26), 48, 54, (58), 62, (64), 72, 74. | 9/23    |
| #5 | 9/23   | §3.4: 2, 6, (12), 14, (24), (30), 32. | 9/30    |
| #6 | 9/30   | §3.5: (8), 12, (18), 26, (30), 32. | 10/07   |
|     | 10/02  | In-Class Review.  
In- Class Exam 1 |         |
| #7 | 10/09  | §3.7: 6, (8), 16, 20, (26), 38, 39, 44  
§4.1: 5, (6), 11, (12), 16, (22), (30), 36, 40, (44), (45-48), 60, 66, (96-98), 102  
§4.2: 6, 8, (12), (14), (16), (18), 30, 36, (46), 51, 58, (66), 70, (72), 73  
§4.2 (78), 88, 105-110.  
10/11-10/14 Fall break | 10/21   |
| #8 | 10/21  | §4.3: 8, 10, (16), 20, 24, (30), 34, (42), 56, (65), 69  
§4.4: 7, (8), 12, (18), (32), 36, 39, (42), 45, 52 | 10/28   |
| #9 | 10/28  | §4.5: 1, (4), 6, 7, (8), 9, (10), (14), 16, (24).  
§5.1: 4, 12, (14), 19, (22), 30, (34), 38, 44.  
§5.2: 8, (12), 16, (20), 22, 32, 34, (38), (44), 57-60. | 11/04   |
| #10| 10/04  | §5.4: 6, (10), 24, 26, (32), (34), 36, (42), 54, 57  
§5.5: 8, 18, (28), 34, (38), 46, 50, 52, 56, 58, (64), 72, 90-93.  
§5.6: 2, (4), 7, (8), 13, 17, (20), 24. | 11/11   |
|     | 11/06  | 11/11 and 11/13  
In-class Exam 2.  
Review for In-class Exam. |         |
|     | 11/18  | 11/11 and 11/13  
11/17  
Review for In-class Exam. |         |
| #11| 11/20  | §6.1: 3, 4, (6), 18, 22, 28, (34), 38, (44), 54, (58), 60, 68, 79, 80, 85.  
§6.2: 12,(18), 26, (32), 36, 43, 46, (52), 53, 60, 61; §6.3: 3, 5, (10), 14. | 12/02   |
| #12| 12/02  | §6.4: 4, (6), 10, (16), (30), 34, (38), (42), 45, (57-60).  
§6.5: 8, 14, (18), 19, 31, (34), 36, (42), 44, 45, (50), (77-82). | 12/09   |
|     | 12/09  | Review for Final  
Review for Final |         |
|     | 12/16  | Final Exam 4:30pm–7:00pm |         |