Syllabus for Math 241 (Calculus I) Sections 7, 8, 9, 10, 13, Fall 2014

Lectures and instructor information

Lecture times and room:	TR 9:00-10:15, Physical Science Building 217.
Instructor:	Rufus Willett.
Office:	Physical Science Building 405.
(Office) phone:	(808) 956-8468.
Office hours:	Mon 2:00-4:00, Tues 2:00-3:00 and Weds 10:00-11:00.
Email:	`rufus@math.hawaii.edu`
Textbook:	Hass, Weir, Thomas, *University Calculus*, Alternate edition.
Instructor code for text:	hawaii93883.
Web materials:	Available on Laulima.

Recitation sessions and teaching assistant information

Section 7 time and room:	Thurs 1:30-2:20, Keller 402.
Section 8 time and room:	Thurs 3:00-3:50, Keller 402.
Section 9 time and room:	Fri 9:30-10:20, Keller 401.
Section 10 time and room:	Fri 11:30-12:20, Keller 401.
Section 13 time and room:	Thurs 1:30-2:20, Keller 404.
Teaching assistants:	Jamal Hassan Haidar (Sections 7-10). John Robertson (Section 13).
Office:	Keller 403D (Hassan Haidar) Keller 403E (Robertson).
Office hours:	Thurs 11:00-1:00 and Fri 12:30-2:30 (Hassan Haidar). Mon 10:-00-11:00, Tues 11:00-1:00 and Weds 11:30-12:30 (Robertson).
Email:	`jamal@math.hawaii.edu` `johncr@math.hawaii.edu`
Web materials:	`http://math.hawaii.edu/~jamal/Math_241_Fall_2014.html`

Course description
See the general departmental syllabus for the course description (either at `http://math.hawaii.edu/home/system_wide_math/syllabus-241.pdf`, or on Laulima).
In terms of the text, our goal is to cover all the material from Sections 2.1 through 6.2: this material will form the basis of the final exam.

Graded course components

Lectures
Lectures will cover the core course material. The weekend before each lecture, I will post notes on Laulima. These notes will be missing details and worked examples: during the lecture I will discuss the notes and add more details and examples. You are strongly encouraged to print the lecture notes before each class, and use them as a basis for taking notes.

During each lecture in which there is not an exam there will be at least one clicker based question. After the first week, you will be expected to bring a registered clicker to every lecture and use it to participate in the lecture.

There will be 4 points available for clicker activities in each class where there is no exam: this will add up to 80 points available for clicker-based activities in class throughout the semester (the actual total will be slightly different from this, but I'll rescale it to be out of 80). I will drop three classes worth of points from everyone's score at the end so that a few absences will not make a difference to final scores.

Recitation sessions
Recitation sessions will provide more detail and depth on the concepts in the course, and more practice in how to use them.

There will be be quizzes and / or group activities in most of the recitation sessions. Credit for these will go towards your final grade, for 160 points in total.

Written homework problems
I will post 2-5 graded homework problems at the start of class, and on Laulima. These are to be handed in at the end of the Tuesday lecture the week after they are set, and will be returned graded in the recitation sessions later that week. For example, the homework problems set on Tuesday August 26th and Thursday August 28th are due at the end of the lecture on Tuesday September 2nd. The written homework is to give you more practice in writing mathematics, which is important to do well on the tests.

There will be 10 such homework problem sets throughout the semester; each problem will be worth one point, for around 5 to 10 points per homework. There will be a total of 80 points available from the graded homework (whatever the total works out to, I will rescale it to be out of 80).

Written homework due dates

Date	Homework
Tuesday 9/2	Homework 1 due
Tuesday 9/9	Homework 2 due
Tuesday 9/16	Homework 3 due
Tuesday 9/30	Homework 4 due
Tuesday 10/7	Homework 5 due
Tuesday 10/14	Homework 6 due
Tuesday 10/28	Homework 7 due
Tuesday 11/18	Homework 8 due
Tuesday 12/2	Homework 9 due
Tuesday 12/9	Homework 10 due

Webwork

We will use webwork, an online homework system, to give you additional practice with the course content. On most Thursdays throughout the semester (other than before an exam) a new webwork will become available. Webwork will be due by midnight on the Friday eight days after it is set. There will be 10 webwork assignments throughout the semester: the due dates are in the table below.

Webwork due dates

Date	Homework
Friday 9/5	Webwork 1 due
Friday 9/12	Webwork 2 due
Friday 9/19	Webwork 3 due
Friday 10/3	Webwork 4 due
Friday 10/10	Webwork 5 due
Friday 10/17	Webwork 6 due
Friday 10/31	Webwork 7 due
Friday 11/7	Webwork 8 due
Friday 11/14	Webwork 9 due
Friday 11/21	Webwork 10 due
Friday 12/5	Webwork 11 due
Friday 12/12	Webwork 12 due

Webwork will be available at
`http://math.hawaii.edu/~jamal/Math_241_Fall_2014.html`. More details about webwork, including how to use the system, will be discussed during the first recitation session.
There will be a total of 80 points available for webwork throughout the semester.

Tests and final exam
There will be three 75 minute in-class tests during the semester, each one covering the material since the last test and worth 100 points. The questions on the midterms will be very close to the problems set in the (graded and ungraded) homework and webwork. See the list below for dates. I will post a practice test, and a list of review topics, before each midterm.

There will be a cumulative final covering the entire semester, worth 200 points. The final will take place from 12:00pm to 2:00pm on Wednesday December 17th (see `http://manoa.hawaii.edu/undergrad/schedule/final-exams/fall/` for final exam schedules - note, however, that there is a common time for all sections of Math 241 to take the final, so it **does not take place at the standard time** for a TR 9:00-10:15 class).

No calculators or notes will be allowed on tests.

Test dates

Date	Event
Tuesday 9/23	Midterm 1
Tuesday 10/21	Midterm 2
Tuesday 11/25	Midterm 3.
Wednesday 12/17	Final exam 12:00-2:00.

Grade breakdown and grade cutoffs

Recitation session (quizzes and other activities)	160
Webwork	80
Written homework	80
Clicker exercises	80
Midterm 1	100
Midterm 2	100
Midterm 3	100
Final	200
Total	**900**

Grade boundaries

		A	93%-100%	A-	90%-92%
B+	86%-89%	B	83%-85%	B-	80%-82%
C+	76%-79%	C	73%-75%	C-	70%-72%
D+	66%-69%	D	63%-65%	D-	60%-62%
F	0%-59%				

To calculate grades, I will round to the nearest percentage, so for example 89.49% earns a $B+$ and 89.5% an $A-$.

Other important information

Ungraded homework problems
During each class in which we cover new material, I will give a list of homework problems from the odd-numbered exercises in the textbook (the odd ones have solutions). These will also be posted on Laulima. These are to be attempted after the class. These problems are meant to help you learn the material, and will not be collected; please get in touch with me and ask questions if you have any difficulties with these problems.

It is strongly recommended that you write at least some solutions to these problems up formally, as this will help to clarify the material; I will be happy to check any write-ups you make. Like most other things, you mainly learn math by doing it!

You should also be able to access MyMathLab (connected to the course text) using the access code on the first page of the syllabus (together with your own access code, which becomes available when you buy the text). This is another good source for practice problems.

Help outside of class
You are **very very** strongly encouraged to email the instructor or teaching assistant or come to office hours (see the top of the syllabus for times - you're welcome to go to the office hours of a different section's TA) if you have any questions about homework or material you don't understand. We will try to respond within 24 hours (and usually much more quickly) to emailed questions.

If you can't make the times of office hours, then all of us are happy to make appointments for alternative times: please speak to us after class, or email one of us (`rufus@math.hawaii.edu`, `jamal@math.hawaii.edu`, `johncr@math.hawaii.edu`), to set up such an appointment.

Starting Wednesday 8/27 there will also be (free) tutoring available in the Learning Emporium in Bilger Addition 209 to help you with questions about homework, test preparation, or other aspects of the course. The times the tutors are available every day 9:30am-4:00pm. The exact schedule may change as the semester progresses: see `http://www.hawaii.edu/natsci/math.php` for an up to date schedule.

Make up policies
I will not give make-ups other than in exceptional circumstances, but will allow you to take a test early if you know you're going to miss it for some ('authorized') reason. The three dropped 'in-lecture' scores are to ensure you do not get penalized for missing a

small number of classes.

Overview of important dates

Date	Event
Tuesday 9/2	Last day to drop courses / switch sections without a 'W' grade.
Tuesday 9/23	Midterm 1
Friday 10/24	Last day to withdraw from class (with a 'W' grade).
Tuesday 10/21	Midterm 2
Tuesday 11/4	No class: Election day.
Tuesday 11/11	No class: Veterans day.
Tuesday 11/25	Midterm 3.
Thursday 11/28	No class: Thanksgiving.
Friday 11/29	No class: Thanksgiving.
Wednesday 12/17	Final exam 12:00-2:00.