

## Syllabus for Math 110, *Calculus II*, Spring 2012

TIME AND PLACE: 12:00 – 12:50 Monday, Wednesday, Thursday, Friday, Kinesiology 102  
INSTRUCTOR: Jeff Haag, [haag@humboldt.edu](mailto:haag@humboldt.edu)  
OFFICE: Behavioral and Social Sciences (BSS) 328, phone 5345  
OFFICE HOURS: M- F 3:00 – 3:50 and by appointment.

SPECIAL LAB FOR CALC STUDENTS ONLY: See end of document

REMARKS: I enjoy helping students in my office provided they are well prepared. Let's get together and optimize our time together. If you have a question be sure to bring all relevant work that indicates what you've attempted and where your difficulty lies. A list of questions is also helpful.

COURSE DESCRIPTION: Logarithmic and exponential functions, inverse trigonometric functions, techniques of integration, sequences and series, conic sections, polar coordinates  
[Prerequisite: MATH 109.]

TEXT: *Calculus, Early Transcendentals, 6<sup>th</sup> ed.*, by James Stewart. The text is required and you should bring it to class every day.

LEARNING OUTCOMES: Successful students will be able to use a variety of techniques of integration to determine area, volume, work, and other quantities, and analyze functions as solutions of differential equations or using power series.

GRADED WORK: Graded work will include homework and quizzes, midterm exams, and a comprehensive final exam. Attendance and participation are required.

BASIS FOR GRADES:	Homework and quizzes:	20%
	Midterm examinations (2):	20% each
	Final Examination:	40%

LETTER GRADES:	90-100%	A
	75-89%	B
	60-74%	C
	50-59%	D
	0-49%	F

CALENDAR: The day-to-day schedule will be apparent from the WebAssign homework schedule.  
Our exam dates are

February 24	Chapters 6, 7
April 11	Chapter 11
May 11 10:20 – 12:10	Comprehensive final exam on chapters 6 - 11

REMARKS: Class will begin promptly at noon. Punctuality is paramount. If I am ever more than two minutes late you may assume class is cancelled. You should arrive early enough so that you may settle in and do whatever it takes to be completely ready to get seriously into our subject when class begins.

Attendance is essential. This class will become a community, and each student will be a valuable member of the community. We all suffer if you are absent or tardy. If you must be late or absent I want to know ahead of time. Email me so I have a record of it.

Math 110 is the second semester of HSU's three-semester calculus sequence. We expand on the ideas of differentiation and integration of functions of one variable. The material depends heavily on previous semesters and a good grasp of limits, derivatives, and integrals is essential.

A general rule-of-thumb is that an average college student should study two hours outside of class for every hour spent in class. That will likely not be sufficient for this course. However, if you study regularly and effectively, forming study groups and making use of resources, including some of the following links, and communicate regularly with your instructor, then you should be able to do well in the class.

LINKS: More syllabus type info from HSU (see especially the last page)  
<http://www.humboldt.edu/aavp/AdminMemo/HSUPolicyonContentofSyllabi.pdf>

A pamphlet by my former colleague at HSU, Charlie Biles, that possesses a wealth of information for any college student. Please check out the link  
<http://users.humboldt.edu/haag/goodstudents/>

Wikipedia's pages on the *integral*, *sequences*, and *series*:

<http://en.wikipedia.org/wiki/Integral>

<http://en.wikipedia.org/wiki/Sequence>

[http://en.wikipedia.org/wiki/Series\\_%28mathematics%29](http://en.wikipedia.org/wiki/Series_%28mathematics%29)

I am a big fan of Wikipedia, with the understanding that its content is occasionally corrupt. I have found the mathematics content to be well written and helpful. Be sure to follow embedded links to any topic of interest.

I am looking forward to this course. I hope you find it stimulating, challenging, rewarding, and fun!

Contents of this syllabus subject to revision by instructor.

**Calculus Center**  
**Calculus Drop-in Tutoring**  
**Spring 2012**  
**BSS 308**

	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
<b>2-3 PM</b>	unavailable	unavailable	unavailable	Dr. Johnson	
<b>3-4 PM</b>	Dr. Freedman Dr. Haag	Dr. Freedman	Dr. Haag	Dr. Johnson	Tim Lauck
<b>4-5 PM</b>	Dr. Goetz	Dr. Goetz	Dr. Flashman	unavailable	unavailable
<b>5-6 PM</b>	Tim Lauck	Dr. Flashman	Dr. Flashman	unavailable	unavailable