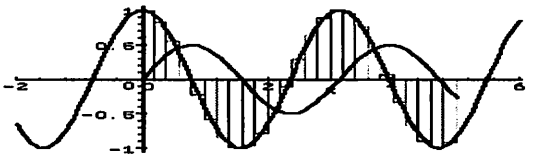
Math 1131 Fall 2009

UCONN



Instructors | Course Outlines: 1131 1132 | WebAssign Login
Homework Assignments | Gateway Exams | One-minute Survey | HuskyCT Login

Text:

Calculus, Early Transcendentals, Volume 1 by James Stewart (6th Edition), with *WebAssign* code. CPS units (clickers) and Graphing calculators (TI 82, 83, 85 or 86 recommended) will be used. $15 clicker rebate coupons will be handed out in discussion classes.

Rebate coupons for the clickers were intended to be bundled with your text. You can buy Volume 1 of the Stewart text at the UConn Coop, online directly from the publilsher (with a discount), and many other places. CAUTION: Make sure you get WebAssign codes bundled with the text as they cost about $25 each semester when purchased separately. Volume 1 of Stewart is used only for Math 1131. You will need to purchase Volume 2 for Math 1132 and the multivariable volume for Math 210. We chose the single volumes as the recommended text since were able to have WebAssign codes (for one semester) bundled with each single semester text. However, you are able to purchase combined versions (a complete singe-variable version for Math 1131-1132 or one large, heavy book for 1131-1132-210) but make sure you get two or three semesters of WebAssign codes bundled with them. When bundled with the text, the first Webassign code is free and additional semesters of WebAssign codes when bundled with the text cost $10 each after the first.

The publisher has set up a special web page, http://ichapterssites.com/ichapters/micro/?cluster_id=1756, for UConn students to purchase a text online with the WebAssign codes bundled. You can also purchase the combined Volumes I and II with Webassign at a discount.

CPS Registration:

Clickers will be used in the lectures beginning week 2. You must login to HuskCT by then to register your CPS transmitter.

Home work and WebAssign:

Web Assign registration: In some sections you will need a class code from your instructor plus a WebAssign code to register online. A link to WebAssign can be found above at the top of the class web page. For other sections, you will be registered by your instructor and need to obtain you login ID and password from the instructor.

Home work: There will be home work assignments for each section of the text. Each assignment will be made available on WebAssign several days before the section is covered in class. The DUE DATE for each assignment will be set by your instructor and will generally be one week after the material is covered in class. You will get 5 attempts to answer each question. After each attempt you will be told whether your answer is correct or not. Full solutions will be available on WebAssign after the due

date. If you are not able to get the correct answer after two or three attempts, we recommend that you seek help from your instructor, the Q-Center, a tutor, or another student.

Quizzes: There will be a two question quiz on each home work assignment. These quizzes will be timed assignments on WebAssign and will be due one day after the home work assignment. There may be additional quizzes in the discussion sections.

Grading:

Homework	WebAssign	10%
Quizzes	SebAssign and discussion class	10%
Clicker response	Lecture class	5%
Projects	Discussion class	5%
Exam 1: (October 8 at 6 PM)	Common evening exam (1-1/2 hours)	20%
Exam 2: (November 12 at 6 PM)	Common evening exam (1-1/2 hours)	20%
Final Exam: (December 18 at 1:00 PM)	Common (2 hours)	30%
Gateway Exam (Pass/Fail)	Differentiation	0% (see Note)

Note: Failure to pass the Gateway Exam will lower the course grade by one full letter grade.

- The **evening exams** will be held in the rooms listed below from 6-8 pm. The dates and times are listed in PeopleSoft, but not the rooms. Common make up exams will be held from 8-10 pm on the same days as the exams. Permission from your instructor is required.
  - Rooms as listed by section
  - The **gateway exam** will be available in the Mathematics MacLab (MSB 203) on WebAssign beginning around October 21. There will be an open period from October 21 through November 20 during which the gateway exam may be repeated (as often as needed) in the Mac Lab. Practice versions of the gateway exam may be taken online from WebAssign. These practice versions are from the same test bank as the actual exams and will be graded online.

Gateway Exam

- Calculators are NOT allowed.
- Pass/fail exam.
- Exam on WebAssign in MacLab MSB 203 through November 20.

Past Exams

- Exam 1 - Fall 2007
- Exam 2 - Fall 2007
- Final Exam - Fall 2007

Calculus I
Math 1131Q, Section 010
Fall 2009

Instructor: Chris Kurth
Office: MSB M335
Office Hours: Wed 10-12, Fri 11-12
Email: kurth@math.uconn.edu
Class Time and Location: Tuesday, Thursday 2:00-3:15, CLAS 108
Textbook: *Stewart*, Calculus: Early Transcendentals, Sixth Edition
Website: http://www.math.uconn.edu/~kurth/math1131f09/

Common 1131 Webpage
WebAssign Login
Getting Started with WebAssign
Getting Started with WebAssign Powerpoint Slides

WebAssign Course Codes:
(This code is dependent on your discussion section. Your TA will tell it to you in discussion starting Wednesday. It is IMPORTANT that you enter the right code)

Section 11:
uconn 0565 9165

Section 12:
uconn 3195 4018

Section 13:
uconn 8429 0002

Section 14:
uconn 7997 7131

Section 15:
uconn 4504 9094

Section 16:
uconn 8223 2164

Section 18:
uconn 1746 4889

Section 19:
uconn 4793 0099

Section 20:
uconn 4559 1809

Math 1131 – Calculus I
Fall 2009

Text: *Calculus, Early Transcendentals*, Volume 1, by James Stewart (6th Edition), with *WebAssign* code. CPS units (clickers) and graphing calculators (TI 82, 83, 85 or 86 recommended) will be used. A $15 clicker rebate coupon will be handed out in discussion classes.

CPS Registration: Clickers will be used in the lectures beginning week 2. You must login to HuskyCT by then to register your CPS transmitter.

***WebAssign* registration:** In some sections you will need a class code from your instructor plus a WebAssign code to register online. A link to *WebAssign* can be found above at the top of the class web page. For other sections, you will be registered by your instructor and need to obtain your login ID and password from the instructor.

Homework: There will be home work assignments for each section of the text. Each assignment will be made available on *WebAssign* several days before the section is covered in class. The DUE DATE for each assignment will be set by your instructor and will generally be one week after the material is covered in class. You will get 5 attempts to answer each question. After each attempt you will be told whether your answer is correct or not. Full solutions will be available on *WebAssign* after the due date. If you are not able to get the correct answer after two or three attempts, we recommend that you seek help from your instructor, the Q-Center, a tutor, or another student.

Quizzes: There will be a two-question quiz on each home work assignment. These quizzes will be timed assignments on *WebAssign* and will be due one day after the home work assignment. There may be additional quizzes in the discussion sections.

Gateway Exam: The gateway exam will be available in the MacLab (MSB 203) on *WebAssign* beginning around October 21. There will be an open period from October 21 through November 15 during which the gateway exam may be repeated (as often as needed) in the MacLab. Practice versions of the gateway exam may be taken online from *WebAssign*. These practice versions are from the same test bank as the actual exams and will be graded online. Calculators are NOT allowed. The exam is a pass/fail exam.

Evening Midterm Exams: The evening exams will be held (in rooms to be listed on the common webpage) on theThursdays listed below from 6-8 pm. Common make up exams will be held from 8-10 pm on the same days as the exams. Permission from your instructor is required for a makeup exam.

Grading:

10%	WebAssign Homework		
10%	Quizzes		
5%	Projects		
5%	Clicker participation		
20%	Exam 1	Thursday Oct. 8	6-8 PM
20%	Exam 2	Thursday Nov 12	6-8 PM
30%	Final Exam	Friday Dec. 18	1-3 PM
0%	Gateway Exam	Oct. 21-Nov. 15	Pass required

Common class web page: http://www.math.uconn.edu/ClassHomePages/Math1131/Math1131f09/
HuskyCT: http://huskyct.uconn.edu/webct/entryPageIns.dowebct
WebAssign Login: https://www.webassign.net/login.html
Ben's Page: www.math.uconn.edu/~salisbury/math1131f09

Math 1131 Outline - Fall 2009

(*Calculus, Early Transcendentals,* by James Stewart, 6th Edition)

Week	Date	Section	Topic
1	8/31	1.1	Four Ways to Represent a Function
		1.2	Mathematical Models
		1.3	New Functions From Old Functions
		1.4	Graphing Calculators
		1.5	Exponential Functions
2	9/7	No Class	Labor Day
		1.6	Inverse Functions & Logarithms
		2.1	Tangent and Velocity Problems
		2.2	Limits
3	9/14	2.3	Limit Laws
		2.4	Definition of a Limit
		2.5	Continuity
4	9/21	2.6	Limits at Infinity
		2.7	Derivatives and Rates of Change
		2.8	Derivative of a Function
5	9/28	3.1	Derivatives of Polynomials & Exponential Functions
		3.2	Product and Quotient Rules
		3.3	Derivatives of Trigonometric Functions
6	10/5		Review for Exam I
			Review for Exam I
	10/8		Exam I, 6-8 PM
		3.4	The Chain Rule
7	10/12	3.5	Implicit Differentiation
		3.6	Derivatives of Logarithmic Functions
		3.7	Rates of Change in the Natural and Social Sciences
8	10/19	3.8	Exponential Growth and Decay
		3.9	Related Rates
		3.10	Linear Approximations and Differentials

Instructor Information | Course Information | Course Downloads | Updates
Math 1131 Main Page | WebAssign Login | Course Outline | Flash Applets

Instructor Information

Instructor: Ben Salisbury, Teaching Assistant
Website: www.math.uconn.edu/~salisbury
Email: salisbury AT math DOT uconn DOT edu
Office: MSB 419A
Office Hours: Monday 8:55-11:55am or by appointment

Course Information

Meeting Times:

- Section 012D: Monday and Friday, 8-8:50am in MSB 311
- Section 014D: Monday and Wednesday, 3-3:50pm in MSB 211
- Section 020D: Wednesday and Friday, 12-12:50pm in MSB 407

This portion of the course is intended for the students to gain more practice doing calculus as well as gain an appreciation for where it can be applied to real-world situations. We will achieve this by splitting our time into halves: the first half of each meeting will involve students asking questions about topics from lecture or about the homework; during the second half of each meeting, the students will meet in groups to work on a group project. These group projects are designed to give a real-world meaning to the ideas discussed in lecture. They are also designed to hammer home topics and gain additional practice in a setting in which the student can ask questions of other students and of a teaching assistant.

It is important that the student stay updated on material pertinent to the course. To do this, the student must be familiar with this webpage and the main course page, available from the link above. On this page, the students can receive information specific to their discussion section, such as labs or answers to questions asked in class. On the main course page, there is a course outline, grading information, homework information, and details about the text and *WebAssign*.

Course Downloads

- Syllabus
- Example: $\tan(\cos^{-1}x)$
- Example: some ε–δ stuff

Updates

- Classes start August 31.
- You will need to self-enroll into *WebAssign* in order to do your homework. There is a separate code for each section, so please consult the list below and use the appropriate code for your section.

- Section 012D: **3195 4018**
- Section 014D: **7997 7131**
- Section 020D: **4559 1809**

- Here is some information about the Q-center.

Flash Applets

These are collection of math applets created in Flash by a professor I knew at the University of Rhode Island, www.flashandmath.com/mathlets. You will need to download the Flash player in order to use.

Implicit Function Plotter	Matching Formulas to Data
Parametric Curves	Two Function Grapher
Derivatives	Antiderivatives
Sequences and Series of Functions	Sequences and Series of Constants
Families of Functions	Definite Integral in Terms of Area

This website was created and maintained by Ben Salisbury. If any problems are encountered, please email them to salisbury@math.uconn.edu. All rights reserved.