Math 1132 Calculus II

Instructor: Ben Salisbury

Contact Information

Office	MSB 419A
Office Hours	Monday 2-4 or by appointment
Q Center Hours	TBD (see website soon)
Email	salisbury@math.uconn.edu
Website	www.math.uconn.edu/~salisbury/math1132s09

Meeting Times: MWF, 12:30-1:45 in MSB 219

Text: *Calculus, Early Transcendentals, Volume II* by James Stewart (6th Edition), with *WebAssign* code.

A note about the text: You can buy Volume 1 of the Stewart text at the UConn Co-op, 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 2110. 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 1131-1132-2110) 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://uconnmath.tlcservicesites.com, for UConn students to purchase a text online with the *WebAssign* codes bundled.

Calculator: A graphing calculator will be needed for this course (TI-82, 83, 85 or 86 are recommended).

Homework and *WebAssign*: You will need a login ID and password from your instructor plus a *WebAssign* code to register online. A link to *WebAssign* can be found on the class web page. Change your passwork immediately by going to "My Options". You can get help using *WebAssign* from your instructor or at the Q-Center. There will be homework 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 a couple of days 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.

Grading:

Homework	*WebAssign*	20%
Quizzes		5%
Exam 1	Common evening exam	20%
Exam 2	Common evening exam	20%
Final Exam	Common	35%
Gateway Exam	Integration	0% (see note)

- The **evening exams** will be held from 6-8pm on **February 24** and **April 7**. The dates and times are listed in PeopleSoft, but not the rooms (the rooms will be posted on the course webpage and announced in class). Common make up exams will be held from 8-10pm on the same days as the exams. Permission from your instructor is required. The final exam is tentatively scheduled for May 7 at 10:30am.
- The **Gateway Exam** will be available in the Mathematics MacLab (MSB 203) on *WebAssign* beginning around March 1. There will be an open period from March 1 through April 4 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.
  - **Failure to pass the Gateway Exam will lower the course grade by one full letter grade.**
  - Calculators are NOT allowed.
  - It is a pass/fail exam (70% required to pass).
  - Exam on *WebAssign* in MacLab MSB 203 through April 4. Retake as many times as necessary until this date.

Course Policy on Academic Integrity[1]: A fundamental tenet of all educational institutions is academic honesty; academic work depends upon respect for and acknowledgement of the research and ideas of others. Misrepresenting someone elses work as ones own is a serious offense in any academic setting and it will not be condoned.

Academic misconduct includes, but is not limited to, providing or receiving assistance in a manner not authorized by the instructor in the creation of work to be submitted for academic evaluation (e.g., papers, projects, and examinations); any attempt to influence improperly (e.g., bribery, threats) any member of the faculty, staff, or administration of the University in any matter pertaining to academics or research; presenting, as ones own, the ideas or words of another for academic evaluation; doing unauthorized academic work for

[1] Copied from The Student Conduct Code.

which another person will receive credit or be evaluated; and presenting the same or substantially the same papers or projects in two or more courses without the explicit permission of the instructors involved.

A student who knowingly assists another student in committing an act of academic misconduct shall be equally accountable for the violation, and shall be subject to the sanctions and other remedies described in The Student Code.

Final Exams: Rescheduling Policy and Procedure: The scheduling of Final Exams is done by the university, not by your individual Instructor or department. Rescheduling is discouraged and requires special permission. When students are forced to miss a Final Exam due to illness, accident, death in the family, or other unavoidable reasons they must obtain permission in writing from the Dean of Students' office. Students should present the Dean's office with appropriate documentation to support their request. After receiving the Dean's office permission students should present it to their instructor, who will discuss with them the exact time and location of the rescheduled final exam. Please, notify your Instructor and start the procedure as early in the semester as possible. Additional information can be found at `www.dos.uconn.edu/docs/finals_list.pdf`.

Q Center: In addition to your Instructor's office hours, you can get help with the material in your course at the UConn Q Center. The UConn Q Center provides tutoring for a list of Q courses from a number of departments, including Math 1011Q to Math 1132Q. In addition to free, drop-in tutoring, the Q Center maintains a list of private tutors. For information on hours and locations please check the Q Center website: `www.qcenter.uconn.edu`.

Student Support Services:

- Counseling and Mental Health Services
  `www.cmhs.uconn.edu`
  Phone: 486-4705 (after hours, use 486-3427)
- Career Services
  `www.career.uconn.edu`
  Phone: 486-3013
- Alcohol and Other Drug Services
  `www.aod.uconn.edu`
  Phone: 486-9431
- Dean of Students Office
  `www.dos.uconn.edu`
  Phone: 486-3426
- Center for Students with Disabilities
  `www.csd.uconn.edu`
  Phone: 486-2020 (voice), 486-2077 (TDD)

Course Outline			
Week	**Date**	**Section**	**Topic**
1	1/20	5.1-5.5	Review
	1/22	Appendix G	The Logarithm Defined as an Integreal
2	1/26	6.1	Areas between Curves
		6.2	Volumes
		6.3	Volumes by Cylindrical Shells
3	2/2	6.4	Work
		6.5	Average Value
		7.1	Integration by Parts
4	2/9	7.2	Trigonometric Integrals
		7.3	Trigonometric Substitution
		7.4	Partial Fractions
5	2/16	7.7	Approximate Integrals
		7.8	Improper Integrals
		—	Review Exam 1
6	2/23	—	Review Exam 1 (Exam 1 is on Feb. 24, 6-8 PM)
		8.1	Arc Length
		8.2	Area of a Surface of Revolution
7	3/2		
		8.3	Applications
		9.1, 9.2	Modeling with Differential Equations, Euler's Method
	3/9	—	No class - Spring break
8	3/16	9.3	Separable Equations
		9.4	Exponential Growth and Decay
		10.1	Curves Defined by Parametric Equations
9	3/23	10.2	Calculus with Parametric Curves
		10.3	Polar Coordinates
		10.4	Areas & Arc Lengths in Polar Coordinates
10	3/30	Appendix H	Complex Numbers
		11.1	Sequences
		—	Review for Exam 2
11	4/6	—	Review for Exam 2 (Exam 2 is on April 7, 6-8 PM)
		11.2	Series
		11.3	Integral Test
12	4/13	11.4	Comparison Tests
		11.5	Alternating Series
		11.6	Ratio & Root Tests
13	4/20	11.7	Strategies
		11.8	Power Series
		11.9	Representation of Functions as Power Series
14	4/27	11.10	Taylor Series
		—	Review for final exam