

**Math 123.04 Calculus I (#40586)**  
**MTWF 11:30-12:20, Olin 222**

**Professor:** Lew Ludwig **Office:** Olin 205  
**Phone:** 587-5638 **E-mail:** [ludwigl@denison.edu](mailto:ludwigl@denison.edu)  
**Office hours:** 9:00-10:00 MTWF, 14:30-15:30 T **Homepage:** [www.denison.edu/~ludwigl/](http://www.denison.edu/~ludwigl/)  
or by appointment  
**Text:** *Calculus* 8<sup>th</sup> edition by Varberg, Purcell, & Rigdon

**Syllabus:** This course will tentatively cover the major concepts of the following chapters in the text:  
Ch. 1: Preliminaries  
Ch. 2: Functions and Limits  
Ch. 3: The Derivative  
Ch. 4: Applications of the Derivative  
Ch. 5: The Integral  
Ch. 6: Applications of the Integral

**Examinations:** There will be four tests (100 points each), nine quizzes (25 points each), and the cumulative final (200 points). The tentative dates are below.

Wednesday:	Wednesday:
Sept. 11 Quiz 1	Sept. 25 Test 1
Sept. 18 Quiz 2	Oct. 16 Test 2
Oct. 2 Quiz 3	Nov. 6 Test 3
Oct. 9 Quiz 4	Dec. 4 Test 4
Oct. 23 Quiz 5	
Oct. 30 Quiz 6	FINAL: 9:00-11:00 Monday December 16
Nov. 13 Quiz 7	
Nov. 20 Quiz 8	
Dec. 11 Quiz 9	

**Grades:** Final grades will be calculated based on performance in the following components of the course.

Component	Points
Quizzes (best 8 of 9)	200
Tests (all)	400
Final Exam	200
Total	800

100-93% A, 92.9-90% A-, 89.9-87% B+, 86.9-83% B, 82.9-80% B-, 79.9-77% C+, 76.9-73% C, 72.9-70% C-, 69.9-67% D+, 66.9-63% D, 62.9-60% D-, 59.9-0% F

**Attendance:** Regular attendance is expected. **No make-up** exams will be given.

**Academic**

**Honesty:** Any cheating will not be tolerated. It will result in an F for the course and will be reported to the University Judiciaries. All submitted work is expected to be your own.

**Disability**

**Accommodation:**

Any student who feels he or she may need an accommodation based on impact of a disability should contact me privately as soon as possible to discuss your specific needs. I rely on the documented files at the Office of Academic Support in 104 Doane to verify the need.

## Math 123 Problem Assignments

Once a topic or section has been covered in class, do the assigned problems as listed below. It is recommended to allocate two hours outside of class for each hour in class. In the past, students who have done and *understood* all of the problems have done well in the class. Those who did not put forth much effort received a grade that reflected this.

Section	Page	Problems
1.1	5	Odd 1-35
1.3	13	Odd 1-33
1.4	18	Odd 1—23, 29, 36
1.5	22	1, 3, Odd 7-25
1.6	27	Odd 1-31, 45
1.7	32	Odd 1-25
2.1	41	Odd 1-23, 37, 42
2.2	48	1, 3, 5, odd 11-25, 26, 33a, b
2.3	57	1, 2, 9, 11, 13, 15a, b, c, 17, 25, 27, 29
2.4	64	Odd 1-17, 23, 29, 35, 41
2.5	71	1, 7, 8, 9, 10, 11, 16, 17
2.6	76	Odd 1-27, 37, 39, 41
2.7	80	1-11
2.8	84	Odd 1-31, 37, 39, 41, 43
2.9	91	Odd 1-31, 39, 44
3.1	104	1, odd 7-15
3.2	111	1, 3, 5, 7, 13, 15, 23, odd 27-35
3.3	119	Odd 1-45, 51, 55, 57
3.4	122	Odd 1-23
3.5	127	Odd 1-41, 49
3.6	131	Odd 1-27, 33
3.7	138	Odd 1-27, 33, 39, 40, 41
3.8	143	Odd 1-33, 39
3.9	149	Odd 1-17, 29
4.1	166	Odd 1-17, 21, 23, 27, 29, 36
4.2	172	Odd 1-27, 33, 43, 47
4.3	178	Odd 1-17, 23, 25, 27
4.4	185	1, 3, 5, 7, 9, 13, 17, 19, 23, 25
4.6	196	Odd 1-21, 31, 33, 39
4.7	201	1, 5, 9, 13, 17, 21, 27, 31, 37, 40, 41
5.1	214	Odd 1-37
5.2	220	1, 2 odd 3-17, 21, 26, 29, 31
5.3	226	Odd 1-31
5.4	233	1, 3, 5, 7, 11, 13, 15
5.5	240	1, 3, 7, 9, 11, 15, 17, 19, 24
5.6	249	Odd 1-21, 25, 41, 43
5.7	256	Odd 1-49
5.8	264	Odd 1-25, 29, 33, 37, 41, 47, 51, 55
6.1	278	Odd 1-25
6.2	285	Odd 1-25

### IMPORTANT DATES:

September 27, 2002

Last day for upperclassmen to drop a course for the first semester.

November 1, 2002

Last day for first year students to drop a course for the first semester.