

**Math 121.01 Calculus I (#40582)**  
**MTWF 13:30-14:20, Olin 215**

**Professor:** Lew Ludwig **Office:** Olin 205  
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**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:** *Brief Calculus and Its Applications* 2<sup>nd</sup> edition by Benice

**Syllabus:** This course will tentatively cover the major concepts of the following chapters in the text:  
Ch. 1: Functions  
Ch. 2: An Introduction to Limits  
Ch. 3: Derivatives  
Ch. 4: Additional Applications of the Derivative  
Ch. 5: Exponential and Logarithmic Functions  
Ch. 6: Integration  
Ch. 7: Techniques of Integration

**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: 2:00-4:00 Thursday December 19
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)	200/25%
Tests (all)	400/50%
Final Exam	200/25%
Total	800/100%

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 could 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 121 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	10	Alternate odd 1-121
1.2	16	Odd 1-59
1.3	25	Odd 1-49, 55
1.4	37	Odd 1-27, 33
2.1	63	Odd 1-25, 28, 31
2.2	72	Odd 1-31, 32, 35
2.3	79	Odd 1-21, 25, 27, 33
2.4	88	Odd 1-31, 36, 37, 38
2.5	96	Odd 1-33, 36
3.1	112	1, 5, 9, 13, 15, 19, 21, 25, 27
3.2	119	Odd 1-53, 60, 62, 64
3.3	127	Odd 1-21, 32
3.4	136	Odd 1-39
3.5	144	Odd 1-47
3.6	151	Odd 1-39, 43
3.7	157	Odd 1-33, 37
3.8	163	Odd 1-23, 27
3.9	171	Odd 1-23
4.1	193	Alternate odd 1-77
4.2	204	Odd 1-39, 43, 44, 49
4.3	216	Alternate odd 1-89
4.4	222	Odd 1-21
4.5	231	Odd 1-33, 46
5.1	258	Odd 1-33
5.2	272	Alternate odd 1-65, 81, 85
5.3	284	Odd 1-45, 59, odd 69-85
5.4	295	Alternate odd 1-77, 84-87
6.1	310	Odd 1-65, 71
6.2	317	Odd 1-31, 35
6.3	327	Odd 1-27
6.4	335	Odd 1-39, 47, 49
6.5	346	Odd 1-27, 35, 37, 39, 45
6.7	360	Odd 1-31, 43, 49
7.1	375	Alternate odd 1-89
7.2	383	Alternate odd 1-47, 55, 59
7.4	395	Alternate odd 1-23, 31
7.5	404	Odd 1-35, 47, 53, 59
8.1	437	Alternate odd 1-57
8.2	446	Odd 1-43, 51, 53
8.3	455	Odd 1-23, 33
8.4	461	Odd 1-15, 23, 24
8.7	480	Alternate odd 1-57

### 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.