

**MATH 118, SECTION A2**  
**NUMERACY, Fall, 2001**

**Instructor:** Eric Landquist, landquis@math.uiuc.edu

**Class:** 143 Altgeld Hall, MWF 8AM

**Office:** B1 (basement) Coble Hall (across Wright St. from Altgeld Hall)

**Phone:** Office: 265-5430; Home/Cell 390-0865

**Office hours:** Monday 2-2:45, Wednesday 1-1:45, and MWF 9-9:45  
(or by appointment)

**Textbook:** *Using and Understanding Mathematics: A Quantitative Reasoning Approach*  
2nd Edition  
Bennett and Briggs

**Goals:** The goal of this course is to give a glimpse of the importance of mathematics in daily life and to teach critical thinking about mathematical arguments. An important aspect of the course is the use of current events which have some relation to mathematics in order to drive home the point that knowledge of mathematics is necessary for understanding issues which are important today.

**Getting Help:** Please do not hesitate to ask questions in class. Your questions will not only help other students who also do not understand, but they will also let me know how effectively I'm communicating. I am also available during my office hours, so please feel free to stop by. If my hours are not convenient, then we can set up an appointment. I'm very flexible even though I have not done any gymnastics.

**Homework, Quizzes, and Tests:** Homework will be worth 10% of the final grade. I will grade several questions from each homework set at random out of a 5 point scale. A 5 represents a complete and correct answer and a 0 represents no (necessary) work. No late homework will be accepted without a valid excuse. I will drop the lowest two homeworks.

Quizzes will be worth 15% of the final grade. Each quiz will be two questions which are worth 5 points each.

There will be three hour exams each of which will count 15% of the final grade given on Wednesday September 19th, Wednesday October 17th, and

Wednesday December 5th.

The final exam will count for 30% of the final grade and will be given from 8-11AM on Monday December 10th.

**Grades:** I will be grading on the standard scale (after rounding off):

	A: 93-100	A-:90-92
B+:87-89	B:83-86	B-:80-82
C+:77-79	C:73-76	C-:70-72
D+:67-69	D:63-66	D-:60-62
F:0-59		

**Schedule:**

Chapter One	Thinkning Critically	3 classes
Chapter Two	Approaches to Problem Solving	2 classes
Chapter Three	Numbers in the Real World	3 classes
Test 1		
Chapter Four	Financial Management	5 classes
Mathematics and Music		1 class
Chapter Five	Statistical Reasoning	6 classes
Test 2		
Chapter Six	Putting Statistics to Work	5 classes
Chapter Seven	Fundamentals of Probability	5 classes
Chapter Eight	Exponential Growth and Decay	4 classes
Chapter Eleven	Everything is Math and Politics	2 classes
Test 3		

**And Finally...** I hope that you will find this class fun and interesting. At the same time I hope you will learn a lot and will feel comfortable applying what you will learn to everyday situations. I am available to help you any way I can, and I also encourage you to work together. However, it is your responsibility to learn the material and keep up with the class.

I will make it clear what I expect out of you. Sheets of review questions for the tests and final will let you know what kinds of questions to expect. Pay attention to these because in past semesters students have said they were a great way to study.

Let's have fun with math!