



scott m. lewis (**not** pictured above)  
hertz 225  
phone: 963-1803  
fax: 963-3226  
hours:  
9:00am mwf  
else, by appointment,  
gleefully accepted

**links:**

- [homework problems](#)
- [study questions](#)
- [construction checklist](#)
- [where is your birthday in pi?](#)
- [yoga and meditation techniques](#) - you may need it by the time we're done.

## college geometry i

math 355  
4 credits  
bu-106  
mtthf 1:00-1:50

**texts:**

(2002). euclid. *the elements* (trans. t.l.heath). santa fe: green lion press.

(2001). artmann, benno. *euclid - the creation of mathematics*. new york: springer.

**prerequisite:** math 260 (sets and logic).

**description:**

in the history of humankind there have been a handful of achievements that have been important; capturing something special either of the spirit, the aesthetic, or the intellect of us all. the development of modern geometry is one of those achievements. it is for that reason that everyone with a college degree should have, along with a little shakespeare and a few other things, a couple quarters of geometry.

historically speaking, the roots of the subject go back to the origins of human thought and tell a fascinating story. one of the most fundamental questions of the field can be stated in this way: 'given a line,  $l$ , and a point,  $p$ , not on  $l$ , how many lines exist through  $p$ , parallel to  $l$ ?' it's amazing how such a simple question can have such an interesting set of solutions with such far-reaching consequences.

there are some links in the left sidebar of this page. take the time to explore what some people in other universities are interested in. there are other possibly useful links back at my [home page](#).

this quarter we will read books I-VI of *the elements* using artmann chs. 2, 4, 7, 9, 11, 14, and 15 as a guide.

check out the [winter 2008 class calendar](#).

**evaluation:**

you will be evaluated on your notebook (approx 40%), two midterms (approx. 20% ea.) and a final (approx. 20%).

i would suggest that your notebook be single-subject and looseleaf. it should contain at least the following elements

(slight pun intended):

- o daily notes
- o midterms
- o homework (including a section of constructions, see side bar)
- o study questions
- o handouts

if you have any questions or comments, feel free to come by my office or e-mail me at the address below.

### **student learner outcomes**

the most important things you learn in school are not going to be measurable, sorry. in fact, the absolute best service a list of 'student learner outcomes' could possibly provide is as a random sample of behavioral objectives. that said, at the end of this course, you will have a reasonable facility (as measured by the evaluation procedures described above) in the basic skills required for coming to grips with the difficult ideas as presented by euclid and as understood by many mathematicians since.. the philosopher and scholar mortimer adler described these skills as: "reading, writing, speaking, and listening ... well."

### **note**

students with disabilities who wish to set up academic adjustments in this class should give me a copy of their *confirmation of eligibility for academic adjustments* from the disability support services office so that we can meet in order to discuss how the approved adjustments will be implemented in this class. students with disabilities without this form should contact the disability support services office, bouillon 205 or dssrecept@cwu.edu or 963-2171 as soon as possible.

### **no, no, no!**

no late assignments, no early tests, no late tests, no make-up tests (including finals ... be there).



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I post no bills I

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winter 2008.

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there's no place like home.