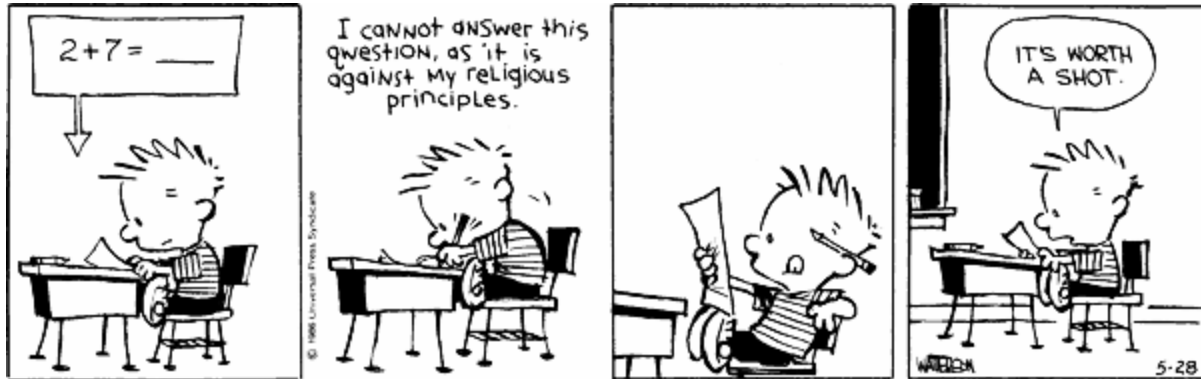


# Syllabus—Math 530 (Topology), Fall 2006

New and Improved! (This syllabus, updated 9/26, replaces the earlier version.)



Instructor: Mike “Quimby” Krebs  
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Office hours: Tuesdays and Thursdays, 2:20–4:20 p.m.

Days/times of class: Tuesdays and Thursdays, 4:20–6:00 p.m.  
Class location: ST-F213  
Textbook: *Topology*, by Munkres  
Final exam: Tues., Dec. 5, 4:30–7:00 p.m.

The class website is located at:

[http://www.calstatela.edu/faculty/mkrebs/teaching/fall\\_2006/530/530.html](http://www.calstatela.edu/faculty/mkrebs/teaching/fall_2006/530/530.html)

## General course description

Prerequisite: MATH 435

Description: mappings, compactness, connectedness, separation, metrization

## Course objectives

My goals are:

- to help you prepare for the departmental comprehensive exam in Topology
- to give you some ideas for potential Master’s Thesis topics
- to tell you about some interesting mathematics, both historical and recent developments

## Requirements

Basis for evaluation: There will be three tests (one of which will occur during the final exam period) and homework.

## Grading system

Each test will be worth 33 $\frac{1}{3}$ % of the final grade. Homework will not count towards the grade.

I will use plusses and minuses with the letter grades, when they're warranted. Note: there is no A+ grade for any class.

I will abide by CSULA's policy on incomplete grades; see

[www.calstatela.edu/univ/advise/bb/Grade\\_Related\\_Information/incomplete.htm](http://www.calstatela.edu/univ/advise/bb/Grade_Related_Information/incomplete.htm)

for more information.

## Cell phones and pagers

Turn them off at the beginning of each class, please. Thanks! (Also, please remind me to turn mine off at the beginning of class.)

## Students with Disabilities

If you require any special accommodations, please let me know ASAP, so you and I can work with the Office for Students with Disabilities (OSD) to arrange whatever you need.

## Topical outline

The following is the *preliminary* day-by-day plan for the course. My goal is to help you learn the material in sections 2.12–2.20, 3.23–3.29, 4.30–4.35, and 5.37 in the text. (Plus a bit more, time permitting.)

Sept. 21	Introduction	Nov. 2	3.28
26, 28	2.12–2.14	7	3.29
Oct. 3, 5	2.15–2.17	9	Test #2
10, 12	2.18–2.20	14, 16	4.30–4.32
17	Test #1	21	4.33–4.34
19	3.23	28, 30	4.35, 5.37, Review
24, 26	3.24–3.26	Dec. 5	Final exam period (Test #3)
31	3.27		

## Academic Dishonesty

I've tried to set things up so that the only way to cheat in this course will be to do something really, really, really, really BAD, such as copying someone else's answer during the midterm. So if you do something like that, I will be merciless and unforgiving. In particular, I will follow CSULA's Academic Dishonesty Reporting Procedures to the letter. See

[www.calstatela.edu/usu/csdp/StudentRights15.html](http://www.calstatela.edu/usu/csdp/StudentRights15.html)

for more details.

## Note: any of this could change at any time

I'll let you know if it does. But if you're not in class when I mention the change—or if you're in class but spacing out—you're still responsible for knowing about it.