1. Aug 21 Introduction
2. Aug 23 Truth Tables, Logic, and Proofs Chapter 1
3. Aug 25
4. Aug 28
5. Aug 30 Sets, Boolean Algebra, and Relations Chapter 2
6. Sep 1
7. Sep 4 Labor Day
8. Sep 6
9. Sep 8 Logic and Proofs Chapter 3
10. Sep 11
11. Sep 13
12. Sep 15
13. Sep 18 Exam Review
14. Sep 20 Exam #1
15. Sep 22
16. Sep 25 Functions and Matrices Chapter 4
17. Sep 27
18. Sep 29
19. Oct 2
20. Oct 4
22. Oct 9
23. Oct 11
24. Oct 13 Fall Break
25. Oct 16
26. Oct 18 Graphs, Directed Graphs, and Trees Chapter 6
27. Oct 20
28. Oct 23
29. Oct 25 Review for Exam #2
30. Oct 27 Exam #2
31. Oct 30
32. Nov 1
33. Nov 3 Counting and Probability Chapter 8
34. Nov 6
35. Nov 8
36. Nov 10
37. Nov 13 Graphs and Trees Revisited Chapters 14 & 15
38. Nov 15
39. Nov 17
40. Nov 20
41. Nov 22 Thanksgiving
42. Nov 24 Thanksgiving
43. Nov 27 Miscellaneous Topics
44. Nov 29
45. Dec 1
46. Dec 4 Review for Final
Final Exam: Saturday Dec 9, 9:00-11:00 PM (Rogers 210)
Course Objectives
By the time you have finished with this course, you should be familiar many of the basic mathematical structures used in computer science. You should know how to prove a simple theorem, and be able to solve a number of different mathematical problems. More specifically:

1. You will be able to use truth tables and Boolean algebra to examine propositions, and equivalent statements.
2. You will understand basic set theory and how it applies to the mathematics of computing.
3. You be able to demonstrate basic concepts of proofs.
4. You will understand the binary, octal, decimal, and hexadecimal number systems as they apply to computing.
5. You know how graphs, directed graphs, and trees are used in computing.
6. You will understand the basic principles of counting and probability.

Grading
Final Exam: 35%
Homework: 15%
Other Exams: 50% -- Equally divided among all exams.

Other Information
Exam grades will be curved, if necessary – but it probably won’t be necessary.

University attendance policy will be enforced.

You are expected to attend every class. If you are unable to attend a particular class, you are still responsible for the material covered in the class. You must make arrangements to obtain this material from another student. Lectures will not be repeated.

The class blog is located at URL http://csi2350.petermmaurer.com All information regarding this class will be distributed through this blog. If I post something on this blog I will expect that you have seen it. You can subscribe through E-Mail or through RSS. Make sure if you use E-Mail that it is an address you check at least once a day. If you use an RSS feed, make sure your reader is running all the time and is uncluttered enough that you won’t miss anything.

Do not leave early!

Do not come late!

I have an open door policy with respect to students. I’m in my office most of the time. I am willing to meet with you any time I am in my office. Feel free to come to me with any matter that is troubling you, even if it has nothing to do with the class.