1. Jul 7  Review of Syllabus
2. Jul 8  Propositions and Predicates  Chapter 1
3. Jul 11  Equivalence Transformations  Chapter 2
4. Jul 12  Natural Deduction  Chapter 3
5. Jul 13
6. Jul 14
7. Jul 15  Predicates  Chapter 4
8. Jul 18
9. Jul 19
10. Jul 20
11. Jul 21  Arrays  Chapter 5
12. Jul 22  Review
13. Jul 25  Mid Term
14. Jul 26
15. Jul 27  Assertions  Chapter 6
16. Jul 28
17. Jul 29  Weakest Precondition  Chapter 7
18. Aug 17
19. Aug 2  Skip, Abort, Composition  Chapter 8
20. Aug 3
21. Aug 48  Assignment  Chapter 9
22. Aug 59  Alternative  Chapter 10
23. Aug 8  Iteration  Chapter 11
24. Aug 9
25. Aug 10  Final Exam
Course Objectives
The primary objective of this course is to train you to think logically about programs. At the end of the course you should be able to construct program proofs, reason precisely about programs, and construct logical arguments of a general nature. These skills will permit you to construct better, more reliable programs, and to detect bugs more easily.

Grading
Midterm  30%
Final Exam  35%
Homework  25%
Quizzes  10%

Attendance
You are expected to attend every class.

You are responsible for all material given in class, even if it isn’t in the book. If you miss class, it is your responsibility to obtain the missed material from another student. Lecture material will not be repeated.

DO NOT COME LATE!

DO NOT LEAVE EARLY!

Cell Phones
Turn it off. If it rings, DON’T ANSWER IT!

Seating
Sit wherever you want. If you’re present, I’ll know it, if you’re not, I’ll know that too.

Class Participation
You are expected to read the material before class and be able to discuss it and answer questions in class. Failure to participate in class discussion, in particular answering questions in a way that makes it clear that you have not read the material, will result in loss of points for the “Quizzes” portion of your grade.

Homework
Do it.  Do it all.  Do it yourself.
Do extra homework even if it wasn’t assigned.
I don’t care if you have an IQ of 256. If you don’t do the homework, you won’t pass the tests.
Quizzes
Thursday is quiz day. Come prepared. Quizzes may be cumulative.

Wait a minute …

Today is Tuesday.

Here’s your quiz.

Three men who came to a hotel where there was only one vacant room. The desk clerk told them that there were three beds in the room, and if they wanted to rent it together the price would be $30. The men agreed, and each paid $10. Later that evening the desk clerk discovered that he had overcharged the men and the price of the room was actually only $25. He sent the bell boy up to the room with a refund of five one-dollar bills. Since it was impossible to divide $5 three ways and have it come out even, the men agreed to take one dollar each and give the two remaining dollars to the bell boy. A bit later, one of the men who fancied himself to be good at figures said, “We’ve been ripped off!” He explained it thus. “After the refund we each paid $9, that’s $27 total. If we add the $2 for the bell boy, that gives us only $29.”

What happened to the other dollar?