Projected Syllabus for MATH 206
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based on Dosey/Spence 6th Ed.

The suggested syllabus and course outline is designed to provide a basic introduction to underlying mathematical concepts vital to computer scientists.

The pace of the course is generally dictated by the level of the students.

The unstarred sections will be covered. Sections marked with a single * will be covered as time and interest allow, and those with a double ** are for inclusion if the audience is exceptionally strong.

Chap. 1 Sec. 1.1, 1.2, 1.4.
A general introduction to the course is given.

Chap. 2 Sec. 2.1, 2.2, 2.3, 2.4, 2.5*.

Chap. 3 Sec. 3.1, 3.2, 3.3*, 3.4*, 3.5**.

Chap. 4 Sec. 4.1, 4.2, 4.3*, 4.4*, 4.5.

Chap. 5 Sec. 5.1, 5.2, 5.3, 5.4.

Chap. 8 Sec. 8.1, 8.2, 8.3, 8.4*, 8.6*.


App. B

THE ORDER LISTED BELOW IS PROVISIONAL, and SUBJECT TO CHANGE WITHIN THE NEXT WEEK.

The material will be covered in the following order to begin with. Selection of additional topics will follow class interest/needs.

Chap. 1
App. A.1, A.2
Chap. 2
Chap. 3.1, 3.2
Chap. 4.1, 4.2, 4.3*, 4.4*, 4.5
Chap. 5.1, 5.2, 5.3, 5.4
Chap. 8.1 - 8.3
App. B
Additional topics from starred sets as time allows.

Grading is based on performance on three (3) 100 point hour exams, given approximately every four weeks, a 200 point COMPREHENSIVE FINAL, and 100 points awarded for participation, homework and quizzes. Homework is not collected, but may be checked during class to award homework points. Some quizzes are announced, some are not. I tend to give 5 or 10 point quizzes or in class exercises when attendance is 50% or lower.

The scale is the standard percentage scale 90/80/70/60 percent. Adjustments may be made to the scale after exams, but the scale will not go up.