

Syllabus

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This is a special section of college algebra for students NOT continuing on to precalculus or calculus courses. It is acceptable for students continuing on to Stat 1342.

Text: Thinking Mathematically, 3rd Edition, Robert Blitzer
Student Solutions Manual is strongly recommended.

Topics: Problem solving and critical thinking
 Set theory
 Logic
 Number theory and the real number system
 Equations, inequalities, and their applications
 Functions, graphs and their applications
 Consumer mathematics

Examinations: There will be two midterm examinations and a comprehensive final.

First Midterm	June 9
Second Midterm	July 7
Final	July 28 (6:00 pm)

Grading:	Midterms	60%
	Homework	10%
	Final	30%

No make-ups will be given for missed examinations except in the most extraordinary circumstances.

MATH 1306.501 Summer 2005

Here is a list of problems covering the material from this point on to the end of the semester in addition to the problems already assigned. To succeed in this course one has to do a large number of problems. The answers to these problems are in the book and solutions are in the Solution Manual.

- Sec. 1.1: # 1, 3, 5, 7, 9, 11, 15, 19, 25, 37;
Sec. 1.2: # 1, 5, 9, 17, 21, 27, 29, 31, 33, 37, 41, 45, 49;
Sec. 1.3: # 1, 3, 5, 7, 9, 15, 19, 21, 25, 29, 31, 33;
Sec. 2.1: # 1, 5, 7, 9, 11, 15, 17, 19, 31, 33, 37, 39, 41, 59, 65, 67, 71, 73, 75, 77, 83;
Sec. 2.2: # 1, 5, 11, 13, 15, 17, 19, 23, 25, 29, 35, 37, 41, 43, 47, 51, 57, 61, 63, 69, 73,
87;
Sec. 2.3: # 1, 3, 5, 9, 17, 19, 21, 23, 25, 27, 57, 59, 61, 63;
Sec. 2.4: # 25, 27, 29, 31, 33, 35, 39, 65, 69;
Sec. 2.5: # 1, 3, 5, 7, 11, 13, 19, 23, 25;
Sec. 3.1: # 1, 3, 5, 7, 11, 13, 15, 17, 19, 21, 27, 29, 31, 33, 35;
Sec. 3.2: # all odds 1-31;
Sec. 3.3: # 3, 11, 13, 17, 19, 33, 35, 37, 39, 43, 47;
Sec. 3.4: # 9, 11;
Sec. 3.5: # 7, 9, 19, 21, 23, 43, 45, 57, 59, 61;
Sec. 3.6: # -----
Sec. 3.7: # 3, 5, 7, 9, 11, 13, 15, 17, 21, 25;
Sec. 5.1: # 25, 27, 31, 47, 49, 59, 61, 71, 75;
Sec. 5.2: # 3, 7, 9, 11, 13, 15, 21, 25, 27, 29, 33, 35, 39, 41, 43, 45, 51, 55, 59, 67, 71,
73, 83, 87, 89, 91, 95, 101, 103, 105, 107;
Sec. 5.3: # 1, 3, 7, 13, 15, 19, 25, 31, 33, 39, 45, 51, 59, 61, 65, 75, 77, 81, 87, 91, 101,
111, 113;
Sec. 5.4: # -----
Sec. 5.5: # 13, 15, 17, 19;
Sec. 6.1: # 1, 3, 5, 7, 15, 31, 33, 35, 39, 43, 47, 49, 51, 53, 55, 61, 63, 67, 75, 77, 79;
Sec. 6.2: # 3, 5, 9, 15, 21, 29, 33, 39, 43, 81, 87;
Sec. 6.3: # 1, 3, 5, 13, 15, 19, 23, 35, 37, 39, 43, 45, 47, 49, 55;
Sec. 6.4: # 1, 7, 9, 11, 17, 19, 25, 29;
Sec. 6.5: # 3, 5, 9, 13, 25, 35, 41, 47, 55, 59, 61, 65, 67, 75;
Sec. 7.1: # 1, 3, 5, 9, 11, 23, 25, 31, 33, 43, 57, 59, 69, 71;
Sec. 7.2: # 1, 5, 7, 21, 23, 27, 43, 45;
Sec. 8.1: # 1, 5, 7, 11, 13, 17, 19, 21, 25, 27, 29, 35, 37, 39, 41, 43, 49, 51, 53, 57, 59,
61, 65;
Sec. 8.2: # 1, 3, 7, 11, 13, 15, 21, 31;