MATH 240 (Elementary Discrete Math.) SYLLABUS, Fall Sem. 2001-02
Lec. 1, MWF 11:00-11:50 p.m, B-115 Van Vleck
SCHEDULE

With possible minor deviations, we shall follow the schedule (referring to sections in the book):

Week of	**Sections**
September 3 – 7	$1.1 - 1.3$
September 10 – 14	$1.4 - 1.6, 9.1 - 9.2$
September 17 – 21	$1.7 - 1.8, 2.1 - 2.2$
September 24 – 28	$2.3 - 2.5$
October 1 – 5	$2.6, 3.1 - 3.2$
October 8 – 12	$3.2 - 3.3$
Friday, October 12	**In-Class Exam**
October 15 – 19	$4.1, 4.3$
October 22 – 26	$4.4, 4.6, 5.1$
Oct. 29 - Nov. 2	$5.2, 5.5, 6.1$
November 5 – 9	$6.3 - 6.5$
November 12 – 16	$6.5 - 6.6$
November 16, Friday	**In-Class Exam**
November 19 – 23	$6.6,$
November 26 – 30	$7.1 - 7.3(briefly), 7.4 - 7.5, 7.6$
December 3 – 7	$7.8, 8.1, 8.3$
December 10 – 14	$8.5 - 8.6$
December 20, Thursday	**Final Exam 2:45-4:45**

Exercise List

Below is a minimal set of exercises on the topics covered in the first examination. These should be worked out on a regular basis - not just before the examination. If you need more exercises, just pick some near those assigned. There are also review questions and supplementary exercises at the end of each chapter. The **exercises in boldtype** are those to be handed in on the following Mondays:

Sept. 17: those from sections 1.1-1.6, 9.1-9.2

Oct. 1: those from sections 1.7-1.8, 2.1-2.5

Oct. 15: those from sections 2.6, 3.1-3.3

Oct. 29: those from sections 4.1-4.4, 4.6, 5.1

Nov. 12: those from sections 5.2, 5.5-5.6, 6.1, 6.3-6.5

Dec. 3: those from sections 6.6, 7.1-7.6

Section	**Exercises**
1.1	$1, 3, 5, 7, 9, 15, 19, 23, 29,$ **40**
1.2	$5, 7e, f, 9e, f, 19,$ **24**, 25
1.3	$7, 9, 13,$ **14**, $21, 25, 35$
1.4	$\emptyset$
1.5	$3, 11,$ **16**, $19, 21, 23, 25, 29, 31$
1.6	$5, 7, 15, 19,$ **20**, $29, 33, 43, 45, 47, 57$
9.1	21
9.2	$1, 3, 5,$ **6**
1.7	$9, 15, 17,$ **18**, 27
1.8	$1, 5, 7, 9, 15, , 19, 23, 25, 51, 53,$ **62**
2.1	$3, 5, 9, 11, 15,$ **18**, 19
2.2	$3, 5, 7,$ **8**, 11
2.3	$7, 11,$ **12**, $15, 17, 18, 19, 21, 22, 23, 29, 32, 35, 37, 41, 45c, 47, 49$
2.4	$1b, d, 5a, 7c, 9, 11b, 12$
2.5	$1c, g, 3, 5, 7, 9, 11, 13, 19, 21,$ **22**, $23, 25, 35, 36$
2.6	$3b, 11, 15, 23, 29, 31, 32$
3.1	$3, 7, 11, 17, 21, 23,$ **30**, $37, 43, 49, 65$
3.2	$7, 9,$ **10**, $13, 15, 17, 21, 29, 31a, b, 52$
3.3	$3, 5, 11,$ **14**, $15, 23, 27, 31,$ **32**, 51
4.1	$3, 7, 8, 15, 16, 19, 23, 27, 29, 30, 31,$ **38**, **42**, 47
4.3	$7, 11, 17, 19, 20,$ **22**, $27, 39, 40, 50$
4.4	$5, 6, 8, 9, 12, 13, 16, 23,$ **28**, $31,$ **32**
4.6	$1, 5, 8,$ **10**, $13, 17,$ **18**, $21, 25, 27,$ **34**, $37, 46, 47$
5.1	$3., 5,$ **10**, $13, 17, 19, 21,$ **22**, 29
5.2	$3,$ **6**, **7**, $9, 13$
5.5	$5, 7,$ **10**, $11, 13, 15,$ **16**
6.1	$5, 13, 15, 21, 27, 29, 33$
6.3	$1, 7, 9, 11, 15$
6.4	$11, 13, 16, 17, 19, 21, 23, 25,$ **28c**, **d**
6.5	$1, 3, 5,$ **10**, $11, 13, 14, 25, 27, 28,$ **30**, $35, 41$
6.6	$1, 3, 8, 9, 11, 13, 15, 19, 21, 23,$ **24**, $25, 27, 29, 31, 35,$ **36**
7.2	$9, 15, 17$
7.3	$17, 21, 30$
7.4	$17, 18$(for exer. 17)
7.5	$5, 7, 13, 20, 24, 25, 41,$ **44**, 46
7.6	$3,$ **17**
7.8	$3, 5, 7, 9, 15, 16$
8.1	$1, 2, 13, 15$
8.3	$3, 9, 12, 15, 18, 19, 27$
8.5	$3, 7a, b, d, 9, 13, 15, 19$
8.6	$3, 4, 7, 8$