

In addition to the lecture you have a **once-a-week assigned discussion section with a Teaching Assistant (TA)**. In this discussion section you can get your questions answered, go over problems, review, etc. Exams will be passed back in these sections.

Exercises A list of Exercises is given at the end of this document. Exercises are not graded but **YOU** have you to do them if you expect to pass the course; in the discussion sections you can get your questions on the exercises answered. I have given you a minimal list of exercises; there are many other similar exercises in the book that you can choose to do. These exercises are to help you learn the material, reinforce the new concepts, and develop technique in problem-solving. If you don't do these exercises, then when it comes time for the in-class exams, you won't have the experience and facility to complete the exams in the allotted time.

The exams will be constructed with the assumption that you have practiced with the exercises and have become proficient and efficient in doing them.

Exams & Quizzes There will be **two in-class exams** during the semester (**each worth 100 points**) and a **final exam (worth 150 points)** - see the accompanying schedule. There will also be **six unannounced 10 minute quizzes** throughout the semester, each worth 10 points with the lowest quiz dropped. **There will be NO make-up exams or quizzes.**

Grades will be based on a **total of 400 points** according to the following grade-schedule (and exams will be constructed with this standard in mind). If appropriate I will rescale exam scores to take into account this schedule; with the grade-schedule you are better informed on how you are doing and how much you may need to improve.

Grade	Accomplishment level	Points
<i>A</i>	superior	370 ↑
<i>AB</i>	excellent	355 ↑
<i>B</i>	proficient	325 ↑
<i>BC</i>	good	310 ↑
<i>C</i>	acceptable	280 ↑
<i>D</i>	mediocre	230 ↑
<i>F</i>	unacceptable	0 ↑

You are encouraged to form study groups with your classmates; things not clear to you may become obvious when you try to explain them to others or when you hear other points of view. Sometimes just verbalizing your mathematical thoughts can deepen your understanding.

Calculator Policy It is acceptable to use calculators on exams to do arithmetic computations, but the computations are to be exact. So an answer which has $\sqrt{2}$ in it is to be presented as such and not as 1.414.

Attendance It is expected that each student will be present at all of the classes and will be an attentive class participant.

It is rude and disruptive to both me and your fellow students to leave a class before the bell has sounded or the class is over for the day.

Office Hours Listed on page 1. These are for students who need additional help beyond that given in the class; **office hours are not substitutes for class.**

Other Information

GUTS: GUTS (Greater University Tutoring Service) is a free peer tutoring service offered either as one on one, in small groups, or in drop-in centers. The drop-in centers are located in Gordon Commons, Helen C. White Library, Kronshage Hall, and Union South. The GUTS office is 303 Union South (263-5666). They also have an exam file in their office.

Private Tutors: The receptionist office on the 2nd floor of Van Vleck has a list of private tutors.

Note to McBurney Disability Resource Center students: Students of the Center who are recommended for some accomodation (e.g., extended time on exams) should contact the instructor about this no later than September 12.

The Department of Mathematics; Van Vleck Hall (VV):

Chair: D. Griffeath (219 VV)

Associate Chair: D. Uhlenbrock (421 VV)

Department Administrator: G. Novara (223 VV)

Undergraduate Advisor: G. Mari-Beffa (309 VV)

TA Supervisor: R. Wilson (411 VV)

Undergraduate Secretary: Jane Schwantz (203 VV)

Sexual Harrassment Contact Persons: D. Rivard (B207 VV) and L. Smith (505 VV)

Access and Accomodation Coordinators: S. Bauman (209 VV)

Faculty Minority Liaison: D. Rider (821 VV) *Information is available concerning diversity and multicultural issues (e.g. support services, academic internships and grants/fellowships). Prof. Rider is also available to discuss minority students' concerns about mathematics courses: 263-3603, drider@math.wisc.edu*

SCHEDULE

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

Week of	Sections
September 3 – 6	1.1 – 1.3
September 9 – 13	1.4 – 1.6, 9.1 – 9.2
September 16 – 20	1.7 – 1.8, 2.1 – 2.2
September 23 – 27	2.3 – 2.5
Sept. 30 - Oct. 4	2.6, 3.1 – 3.2
Monday, October 7	In-Class Exam
October 7 – 11	3.3 – 3.4
October 14 – 18	3.5, 4.1, 4.3
October 21 – 25	4.4, 4.6, 5.1
Oct. 28 - Nov. 1	5.2, 5.5, 6.1
November 4 – 8	6.3 – 6.4
Friday, November 8	In-Class Exam
November 11 – 15	6.5 – 6.6
November 18 – 22	6.6, 7.2 – 7.4
November 25 – 27	7.6, 7.8
December 2 – 6	7.8, 8.1, 8.3
December 9 – 13	8.4 – 8.5
December 16, Monday	Final Exam 2:45-4:45 pm

Exercise List

Below is a minimal set of exercises for the sections covered in the courses. 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. **This entire syllabus is available on my webpage in case you lose it.**

Section	Exercises
1.1	1, 3, 5, 7, 9, 15, 19, 23, 29
1.2	5, 7 <i>e</i> , <i>f</i> , 9 <i>e</i> , <i>f</i> , 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	1, 3, 5, 7, 15, 19, 20, 29, 32, 33, 43, 45, 47, 53 <i>a</i> , <i>b</i> , <i>c</i>
9.1	1, 2, 3, 6
9.2	1, 3, 5, 6
1.7	1, 3, 13, 15, 17, 19, 27
1.8	1, 5, 7, 9, 15, , 19, 23, 25, 51, 53, 62
2.1	3, 5, 9, 10, 11, 15, 19
2.2	3, 5, 7, 8, 9, 11
2.3	7, 11, 12, 15, 17, 19, 21, 22, 23, 29, 32, 35, 37, 41, 45 <i>c</i> , 47, 49
2.4	1 <i>b</i> , <i>d</i> , 5 <i>a</i> , 7 <i>c</i> , 9, 11 <i>b</i> , 12, 13
2.5	1 <i>c</i> , <i>g</i> , 3, 5, 7, 9, 11, 13, 19, 21, 22, 23, 25, 36
2.6	3 <i>b</i> , 11, 15, 23, 29, 31, 32
3.1	3, 11 <i>c</i> , <i>d</i> , 21, 23, 30, 37, 43, 49
3.2	7, 9, 10, 13, 21, 31 <i>a</i> , <i>b</i> , 52
3.3	3, 5, 10, 11, 16, 23, 27, 31, 32, 51
4.1	3, 7, 8, 15, 16, 19, 23, 27, 29, 30, 31, 38, 42, 47
4.3	4, 7, 11, 17, 19, 20, 22, 27, 39, 40, 41, 50
4.4	5, 6, 8, 9, 12, 13, 16, 23, 25, 28, 31, 32
4.6	1, 5, 8, 10, 13, 17, 18, 21, 25, 27, 34, 37, 46, 47
5.1	3 <i>a</i> , <i>c</i> , <i>e</i> , <i>g</i> , 5 <i>a</i> , <i>c</i> , <i>e</i> , <i>g</i> , 10, 13, 17, 19, 21, 22, 29
5.2	3, 6, 7, 11, 9, 13
5.5	5, 7, 10, 11, 13, 15, 16, 23
6.1	5, 13, 15, 21, 23, 27, 29, 33
6.3	1, 7, 9, 11, 15
6.4	11, 13, 16, 17, 19, 21, 23, 25, 27, <i>a</i> , <i>c</i> , 28 <i>c</i> , <i>d</i>
6.5	1, 3, 5, 10, 11, 13, 14 <i>a</i> , <i>c</i> , 15, 19, 25, 27, 28, 30, 35, 41
6.6	1, 3, 8, 9, 11, 13, 15, 19, 21, 23, 24, 25, 27, 29, 31, 33, 35, 36
7.2	3, 9, 15, 17, 19, 21 <i>a</i> , <i>c</i> , <i>e</i>
7.3	15, 17, 21, 30, 31, 35, 39, 40, 61
7.4	1, 5, 17, 18(for exer. 17), 23
7.6	3, 17
7.8	3, 5, 6 <i>a</i> , <i>c</i> , 7, 9, 15, 16
8.1	1, 2, 13, 15
8.3	3, 9, 12, 15, 18, 19, 27, 28
8.4	1, 5, 9, 11
8.5	3, 7 <i>a</i> , <i>b</i> , <i>d</i> , 9, 13, 15, 16, 19