

Math 100 Intermediate Algebra

Departmental Syllabus

Fall 2004

Course description: Math 100, Intermediate Algebra, is designed to prepare students for continuing into the mathematics courses required for their majors. Math 100 itself does not fulfill any degree requirements.

Text: The textbook that is required for this course is *Intermediate Algebra, 2nd edition* by Martin - Gay, Prentice Hall. If you have difficulty finding this book, ask the UT bookstore if they have additional copies or can order any. You may also find copies at other bookstores on Cumberland Avenue. If all else fails, ask the UT bookstore to order a copy for you.

Calculator: This is not a calculator-based course, and you will not be allowed to use a calculator except for specified activities near the end of the course.

Additional requirements: Graph paper, loose-leaf paper, binder, pencils (not pens!)

Class format: On Monday-Wednesday-Friday, we will meet for regular class. On Tuesday-Thursday, you will work in small groups with undergraduate proctors on a variety of projects and exercise sets. The group work is meant to supplement your regular study. These items will be done for a grade and are to be completed and turned in at the end of the class period. If you finish the assignment before class ends, you are to use the remaining time to get help with your homework for the next day. Because our class meets each day, this course will end about a week before your other courses do.

Attendance and make up work: Because classroom participation is vital to your success in this class, you are expected to attend each class. No make-up quizzes will be provided, and make-up exams will only be allowed in the case of an excused absence. In that case, you will need to see me as soon as possible and provide a doctor's excuse or other necessary documentation. **Scheduling make-up exams is your responsibility.** Late homework or projects will only be accepted in the case of excused absences. **No exceptions!**

Disability services: If you need special accommodations because of a documented disability or if you have emergency information you wish to share, please contact the Office of Disability Services at 191 Hoskins Library at 974-6087. This will ensure that you are properly registered for services.

Grading: End of the semester grades will be calculated as shown below:

Exams 1 - 4	15% each
Final exam	20%
Group work avg.	10%

Quizzes/hmwk. 10%

The grading scale for this course is:

A	93 - 100	C+	81-84.9
B+	89-92.9	C	75-80.9
B	85-88.9	NC	Below 75

The grade of NC does not affect your GPA and simply shows that you did not meet the requirements for a grade of C or better.

Suggestions for earning the grade you want:

Keep up with reading and assignments.

Be an active reader and learner by studying with paper and pencil in hand.

Do some mathematics every day.

Work with a study partner or a small group outside of class on a regular basis.

Don't be afraid of learning something new. Everyone makes mistakes when learning a new skill, and it is natural that you will make mistakes. Use them as a learning tool.

Concentrate on what you have learned and what you can do. Keep a positive attitude about the challenges you face.

Communicate with your instructor. If you need additional help or don't understand something after giving an honest effort, do not hesitate to ask. You may find help through your instructor, in the tutorial center, or by hiring a tutor.

Homework: Homework is meant to provide exercise and enhance understanding of skills. It is very important that you practice mathematics frequently outside of class so that you become familiar with its language, notation, and processes. Solutions to odd-numbered exercises are located in the back of your textbook. Check your work against the solution in the text. Place a star next to any exercises in which your solution does not agree with the book's solution. Ask about those exercises in class, or I will provide assistance when checking your homework. Homework should be turned in as requested. Late homework is not accepted.

Please note that "eoo" means "every other odd" problem. For example, if the assignment is "9-21 eoo", you will work exercises 9, 13, 17, 21.

Week	In-Class	HW for that class (due the next class)
1	1.2	1.1/1-12, 1.2/9-14,21-27 odd, 31-55 eoo
	assessment	assessment test in class
	1.3	1.3/1-7 odd, 9-21eoo, 25-53odd, 55-57,61-89eoo, 91-93

2	1.4/1.5 Project 1 1.6 Set 1 1.7	1.4/ 1-109eoo, 113,115; 1.5/2,3-35odd, 41,43,45,53,57-93eoo Pre-test 1.6/1-25eoo, 27-59eoo, 73-89eoo, 91,99,103 1.7/1-53eoo, 69-85eoo, 87,94,95,97
3	2.1 Project 2 2.2 Set 2 2.3	2.1/1-37eoo, 41-69eoo, 85 . 2.2/9,13-21odd, 31-35odd, 45,61-65odd 2.3/1-13eoo, 25
4	- Review Exam 1 Set 3 2.4	Labor Day Holiday . 2.4/1-9eoo, 11,12,15-47eoo, 83
5	2.5 Project 3 2.5,2.6 Set 4 2.6	2.5/7-31eoo, 59-64 . 2.5/39-59eoo; 2.6/1-25eoo, 45-71eoo . 2.6/75-103eoo
6	3.1 Project 4 3.2 Set 5 3.3	3.1/1-49eoo, 51,53 . 3.2/1-9eoo, 15,17,21,25,26,27-30,31-39eoo, 45,49-61eoo . 3.3/1-17eoo, 19-22,23-39eoo
7	3.4 Review Exam 2 Set 6 3.5	3.4/1-45odd, 61-64 . . . 3.5/1-39eoo, 42-44
8	3.5,5.1 Project 5 5.1,5.2 Set 7 5.3,5.4	3.5/45-55odd, 61,65-71odd; 5.1/1-63 eoo . 5.1/67,71,83,89,90; 5.2/1-69eoo, 81,93-97odd . 5.3/1,3,5; 5.4/1-17eoo, 19,21-45eoo
9	5.5 Project 6 5.6,5.7 - -	5.5/1-21eoo, 29-81eoo, 87,91 . 5.6/1-21eoo, 59,61; 5.7/1-25eoo, 27 Fall Break
10	5.7,5.8 Project 7 Closure	5.7/29-41eoo, 57,67; 5.8/1,7-15odd, 27-35odd . .

	Review Exam 3	.
11	6.1 Project 8 6.3 Set 8 6.4	6.1/1-27eoo, 39-47eoo, 53,55,71,75-80 . 6.3/1,3,5-37eoo, 49-53odd, 57 . 6.4/mental math 1-6, 1-15odd, 51,52
12	6.5 Project 9 7.1 Set 9 7.2	6.5/1-21eoo, 41,65 7.1/1-17od, 25-33odd, 49-75 odd, 76,83 . 7.2/1-37eoo, 43-55eoo, 61-67 odd, 73,77,79,87-93odd
13	7.3,7.4 Project 10 7.5 Set 10 7.6, 8.1	7.3/1-67eoo, 73-81odd; 7.4/1-25eoo, 35,39,47-53odd, 65,77-83odd . 7.5/1-17odd, 31-43eoo, 73-77odd, 81 . 7.6/1-9odd, 81; 8.1/1-21eoo, 67,75,81,85
14	8.2 Review Exam 4 post-test 8.5, 9.3	8.2/1-37eoo, 63,67,69 . . . 8.5/1-25eoo; 9.3/1-7odd
15	Closure Final	. during regular class period

Notes to instructors:

1. Give the assessment test on the first Thursday. Give the Pre-test as the first Project – collect their results and the test papers before the end of class. The exam itself will be used again at the end of the semester.
2. Use the slip to give students their score after grading. Answers are right or wrong, no partial credit, one point each.
3. Have the students choose their own groups of no more than 4 each. Establish some rules for group work.
4. You will write your own exams and final. Do not allow calculators on exams. Use a Tuesday or Thursday before each exam to assign review practice problems to groups (not for a grade). Give a cumulative final exam on the Tuesday before Thanksgiving.

5. You will need to attend class every day until proctors are assigned. Work closely with the proctors so that they know their role in the class.
6. There are 20 Tuesday-Thursday classes available for graded projects and exercise sets (10 each). Projects should focus on application problems, and exercise sets on skill and drill problems. These are problems in addition to those listed in the syllabus as homework. Ask proctors to leave these in your box for you to grade and record.
7. Homework should be checked at least weekly.

