

SPRING 2011 College Mathematics
MATH 1332 Synonym 24986/Section 016
RGC 303 5:15pm – 6:55pm

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Office: RGC 215.2
Office Hours:
MW 1:30 – 2:00pm, MW 6:30 – 7:00pm
TTh 3:15 – 3:45pm
Other hours by appointment

REQUIRED TEXTS/MATERIALS: *Using and Understanding Mathematics*, 5th edition Jeffrey O. Bennett and William L. Briggs, Addison-Wesley, ISBN: 9780321652799

Optional: Shrink-Wrapped Bundle with Text and My Math Lab software access ISBN 9780321708953
MyMathLab is an **optional** interactive online course that accompanies the text. You may purchase access to MyMathLab online for (\$75.00) from AddisonWesley at: www.mymathlab.com/buying.html
MyMathLab includes:

- Online access to all pages of the textbook
- Multimedia learning aids (videos & animations) for select examples and exercises in the text
- Practice tests and quizzes linked to sections of the textbook
- Personalized study guide based on performance on practice tests and quizzes

Visit www.mymathlab.com for more information. To use MyMathLab, you'll need:

1. Course ID - acc95547
2. Student access number: provided with purchase of MyMathLab access.

OPTIONAL TEXT: *Student's Study Guide and Solutions Manual*,

TECHNOLOGY:

- You will need a scientific or business calculator; it should have an *e* key, a *log* key, and one of the following keys: y^x , x^y , or x . Graphing calculators are fine but not necessary. The library may have some calculators that you can borrow. Check with the library for availability. **YOU WILL NOT BE ALLOWED TO USE A CELL PHONE CALCULATOR TO TAKE A TEST.**
- You may also be required to do some work by accessing the text's companion website or using programs like Excel. Computer and internet access is available for students at any of the ACC Learning Labs and computer labs.

OUTSIDE HELP: There is free tutoring available in the ACC Learning Labs at all campuses. (Check with the lab for times College Mathematics tutors are available). The locations, contact information, and hours of availability of the Learning Labs are posted at <http://www.austincc.edu/tutor/>.

COURSE DESCRIPTION: MATH 1332 TOPICS IN MATHEMATICS (3-3-0). A course designed for non-mathematics and non-science majors. Topics may include, but are not limited to, sets, logic, number theory, geometric concepts, and an introduction to probability and statistics.

PREREQUISITE: A satisfactory score on the ACC Mathematics Assessment Test. A second option is an appropriate secondary school course (Algebra II) and completion of any TSI-mandated mathematics remediation.

INSTRUCTIONAL METHODOLOGY

This course is taught in the classroom primarily as a lecture/discussion course.

COURSE RATIONALE MATH 1332

This course is intended to provide non-mathematics and non-science majors with a survey of topics in mathematics. The emphasis may be towards developing students' quantitative reasoning skills, illustrating the beauty of mathematics as a discipline, and/or imparting a feel for the different ways in which mathematics is used. The students who take this course generally are in nursing, the liberal arts, communication, workforce programs, or some social sciences. This course may be used to satisfy the Core Curriculum and the General Education Mathematics requirements.

COMMON COURSE OBJECTIVES

1) Increase/improve your quantitative literacy. 2) Provide you with an opportunity to experience mathematics as an intellectual exercise and a way of thinking. 3) Provide you with an opportunity to appreciate the visual and intellectual beauty of mathematics.

COURSE EVALUATION/GRADING SCHEME

Participation: Students are expected to be present and participate fully in all class discussions and activities. A portion of the grade for an in-class activity may be based on participation.

Exams/Projects: There will be 4 tests (100 points each), and an individual project (100 points). You will be given a detailed outline of the individual project criteria. **If you miss an in-class exam, you must contact me before I return the exams in order to arrange to make it up.**

Homework, Computer Activities, and In-Class Activities: There will be homework assigned and collected for every chapter of the text that we study. There may also be group activities, computer activities, handouts, and/or quizzes assigned for each chapter that we study. The homework, computer work, and any in-class activities will be worth a total of 100 points. Homework will be graded for completion, and selected problems will be carefully graded for correctness.

No late homework will be accepted, and no make-up activities will be given. If you are absent from class, you must make arrangements to get any assignments that are due to my RGC mailbox by the time class starts. You may turn it in to the Duplication Office on the 2nd floor next to the campus manager's office. Put both your name and my name on the paper and hand it to someone behind the desk or place it in the box marked "Student Papers". The office staff will stamp it with the date and time and put it in my mailbox. Do NOT leave papers under my office door as the cleaning crew may mistake it for trash. You must show your work on all written assignments. No credit will be given for writing only the answers.

Note: Your cumulative homework grade has the same value as a test grade. Please do not take these assignments lightly.

Grading: The total number of points you may earn this semester is 600. Final grades will be assigned as follows:

A	540 – 600 points
B	480 – 539 points
C	420 – 479 points
D	360 – 419 points
F	Below 360 points

COURSE-SPECIFIC SUPPORT SERVICES

ACC main campuses have Learning Labs which offer free first-come first-serve tutoring in mathematics courses. The locations, contact information and hours of availability of the Learning Labs are posted at: <http://www.austincc.edu/tutor/> . (Check with the lab for times College Mathematics tutors are available) The publisher also offers free tutoring, if you purchased a new text you should have a registration number; if you purchased a used text, ask your instructor about getting a registration number.

ATTENDANCE POLICY

Attendance is required in this course. Students who miss four (4) or more classes may be withdrawn. See me, call me, or send an e-mail if an absence is unavoidable. You are responsible for the material covered, new assignments, and any assignments that are due/given during the class period(s) missed.

WITHDRAWAL POLICY: It is your responsibility to initiate all withdrawals in this course. I have the right to withdraw students for excessive absences (4), but I make no commitment to do this unless required by law or ACC policy. If for any reason, you can no longer attend this class, please make sure you officially withdraw from the class. If you stop attending class, but do not officially withdraw before the deadline, you will receive an F in the class. After the withdrawal date, neither the student nor the instructor may initiate a withdrawal. The last day to withdraw from any 16-week class this semester is **Monday, April 25, 2011.**

Reinstatement policy: Students who withdraw or are withdrawn generally will not be reinstated unless they have completed all course work, projects, and tests necessary to place them at the same level of course completion as the rest of the class. After the last day to withdraw, neither the instructor nor the student may initiate reinstatement into the course.

INCOMPLETE GRADE POLICY

Incomplete grades (I) will be given only in very rare circumstances. Generally, to receive a grade of "I", a student must have taken all examinations, be passing, and after the last date to withdraw, have a personal tragedy occur which prevents course completion.

MISCELLANEOUS

Time: It is often said that math is not a spectator sport. You cannot learn mathematics by listening to someone talk about it. You learn math by thinking about and working on mathematical problems. This takes **time**. Allow yourself three hours of study for each hour you are in class. In particular, you should try to read the material BEFORE it is covered in class.

Cell Phones: In order to enhance learning, please keep cell phones in a silent mode during class. If you must answer an emergency call, please leave the classroom quietly prior to answering.

ADDITIONAL POLICIES AND INFORMATION ABOUT STUDENT SERVICES

Statement on Students with Disabilities

Each ACC campus offers support services for students with documented physical or psychological disabilities. Students with disabilities must request reasonable accommodations through the Office of Students with Disabilities on the campus where they expect to take the majority of their classes. Students are encouraged to do this three weeks before the start of the semester.

Students who are requesting accommodation must provide the instructor with a letter of accommodation from the Office of Students with Disabilities (OSD) at the beginning of the semester. Accommodations

Statement on Scholastic Dishonesty

Acts prohibited by the college for which discipline may be administered include scholastic dishonesty, including but not limited to, cheating on an exam or quiz, plagiarizing, and unauthorized collaboration with another in preparing outside work. Academic work submitted by students shall be the result of their thought, work, research or self-expression. Academic work is defined as, but not limited to, tests, quizzes, whether taken electronically or on paper; projects, either individual or group; classroom presentations; and homework.

Statement on Scholastic Dishonesty Penalty

Students who violate the rules concerning scholastic dishonesty will be assessed an academic penalty that the instructor determines is in keeping with the seriousness of the offense. This academic penalty may range from a grade penalty on the particular assignment to an overall grade penalty in the course, including possibly an F in the course. ACC's policy can be found in the Student Handbook under Policies and Procedures or on the web at: <http://www.austincc.edu/handbook>

Statement on Student Discipline

Classroom behavior should support and enhance learning. Behavior that disrupts the learning process will be dealt with appropriately, which may include having the student leave class for the rest of that day. In serious cases, disruptive behavior may lead to a student being withdrawn from the class. ACC's policy on student discipline can be found in the Student Handbook under Policies and Procedures or on the web at: <http://www.austincc.edu/handbook>

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Statement on Academic Freedom

Institutions of higher education are conducted for the common good. The common good depends upon a search for truth and upon free expression. In this course the professor and students shall strive to protect free inquiry and the open exchange of facts, ideas, and opinions. Students are free to take exception to views offered in this course and to reserve judgment about debatable issues. Grades will not be affected by personal views. With this freedom comes the responsibility of civility and a respect for a diversity of ideas and opinions. This means that students must take turns speaking, listen to others speak without interruption, and refrain from name-calling or other personal attacks.