SECTION SPECIFIC INFORMATION
The syllabus must have the
- course name and number
- section number and synonym
- campus, room and time of day

INSTRUCTOR SPECIFIC INFORMATION
The following instructor information must be on the syllabus:
- instructor’s name
- phone numbers (including ACC voice mail for adjuncts)
- office hours and location of office
- information on how conferences outside of office hours can be arranged
- e-mail address
- web page (if any)

COURSE DESCRIPTION
MATH 1333 MATHEMATICS FOR MEASUREMENT (3-3-0). A course designed for non-mathematics and non-science majors. Topics include logic, variation, functions, equivalence, congruence, right triangle geometry, and other measurement topics. Prerequisites: A passing score on the mathematics portion of the TASP test or a satisfactory score on the assessment test or MATD 0360. (MTH 1573)

REQUIRED TEXTS/MATERIALS
Right Triangle Trigonometry, Maricopa modules, Houghton-Mifflin
Elementary Mathematical Models, Kalman, Mathematical Association of America
Handout on variation
Scientific calculator with trigonometric functions (sin, cos, tan)

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

COURSE RATIONALE
This course is designed to introduce topics of right-triangle trigonometry, variation in measurement, and mathematical modeling for students who won't take higher-level mathematics courses. It satisfies the Core Curriculum requirement for mathematics.

COURSE OBJECTIVES
Common course objectives (for all sections of the course) are attached. They can also be found at: http://www.austinec.edu/mthdept2/tfcourses/obj1333.htm
Each instructor may also include individual instructor objectives/outcomes for the course.
COURSE EVALUATION/GRADING SCHEME
Grading criteria must be clearly explained in the syllabus. The criteria should specify the number of exams and other graded material (homework, assignments, projects, etc.). Instructors should discuss the format and administration of exams. Guidelines for other graded materials, such as homework or projects, should also be included in the syllabus. Guidelines for instructors from the course committee are available from the course website at http://www.austincc.edu/mparker/1333/tf/instr/ and materials for students from the course committee is available at http://www.austincc.edu/mparker/1333/tf/.

COURSE POLICIES
The syllabus must contain the following policies. Some must be included “as is,” others have suggested versions, but may be modified by the instructor, and others are to be decided upon by the instructor. The required and suggested versions of each of these policies follow the four lists below.

Policies to be included “as is” (college requirement): (See requirements from http://www.austincc.edu/acadprog/02-03/syll_let.htm)
- Statement on Scholastic Dishonesty
- Statement on Students with Disabilities

Policies to be included “as is” (department or course requirement):
- Statement of prerequisite requirements

Policies to be included and the instructor may modify the suggested version:
- Penalty for Scholastic Dishonesty
- Statement on Academic Freedom / Freedom of Expression
- Attendance Policy
- Withdrawal Policy (Strongly recommended that instructors indicate that they MAY withdraw students … but do not promise to do so.)
- Incomplete Policy
- Course-specific Support Services
- Student Discipline Policy

Policies to be decided upon by the instructor:
- Missed exam policy
- Policy about late work (if applicable)
- Class participation expectations
- Reinstatement policy (if applicable)

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."

While the college requirement for this statement doesn’t include a statement about the letter of accommodation, instructors are also encouraged to add one, such as:
“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 can only be made after the instructor receives the letter of accommodation from OSD.”

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.”

The college requirement is that instructors include a statement of the penalties for scholastic dishonesty. Following is the math department’s suggested statement: “Students who violate the rules concerning scholastic dishonesty will be assessed an academic penalty in keeping with the seriousness of the offense, in the opinion of the instructor. 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 on Student Discipline may be found in the Student Handbook or on the web on p. 33 of http://www.austincc.edu/marketing/handbook/student_handbook_02-03.pdf.

Statement of Prerequisite Requirements
“A score on any entrance test that places the student out of mandatory remediation in mathematics or MATD 0360 (Topics in Developmental Math) or equivalent knowledge. (TASP Math - 230+, COMPASS Algebra - 39+). Students who did not take MATD 0360 and are exempt from TASP and who have not taken ACC's Assessment Test must do so in order to determine if their algebra background is adequate for this course.”

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." 

Attendance Policy
Following is the mathematics department’s recommended attendance policy for classes that meet two days per week in a 16-week term. Instructors must include some attendance policy, even if it is that attendance is not required.
“Attendance is required in this course. Students who miss more than 4 classes may be withdrawn.”
Withdrawal Policy (including the withdrawal deadline for the semester)
The mathematics department’s recommended withdrawal policy follows.
“It is the student's responsibility to initiate all withdrawals in this course. The instructor may withdraw students for excessive absences (4) but makes no commitment to do this for the student. After the withdrawal date, neither the student nor the instructor may initiate a withdrawal.”

Incomplete Grade Policy
The mathematics department’s recommended incomplete policy follows.
“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.”

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 available from http://www2.austincc.edu/rvslab/ll.html

Student Discipline Policy
The mathematics department’s recommended student discipline policy follows: “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 or on the web at at http://www.austincc.edu/marketing/handbook/student_handbook_02-03.pdf page 32.”

TESTING CENTER POLICY
ACC Testing Center policies can be found at: http://www.austincc.edu/testctr/
Instructor will add any personal policy on the use of the testing center.

STUDENT SERVICES
The web address for student services is: http://www3.austin.cc.tx.us/evpcss/rss/Default.htm
The ACC student handbook can be found at: http://www3.austincc.edu/evpcss/handbk/toc.htm

INSTRUCTIONAL SERVICES
The web address is: http://www3.austincc.edu/evpcss/memos/reference.htm, then click on “Campus Based Student Support Overview”. 
COURSE OUTLINE/CALENDAR

<table>
<thead>
<tr>
<th></th>
<th>16-week Semester</th>
<th>11-week Semester</th>
<th>5 1/2 - week Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trigonometry</td>
<td>5 weeks</td>
<td>3 weeks</td>
<td>1 1/2 weeks</td>
</tr>
<tr>
<td>Variation (statistics)</td>
<td>3 weeks</td>
<td>2 weeks</td>
<td>1 week</td>
</tr>
<tr>
<td>Modeling (chs. 1, 2, 3, 4, 9, and part of 14)</td>
<td>8 weeks</td>
<td>6 weeks</td>
<td>3 weeks</td>
</tr>
</tbody>
</table>

Instructors are encouraged to add a statement of variance, such as “Please note: schedule changes may occur during the semester. Any changes will be announced in class.”

Common Course Objectives
MATH 1333, Mathematics for Measurement

Learning Objectives

1. Increase/improve students' quantitative literacy.
2. Understand the innate variation in measured values and the various standard mathematical ways to communicate that variation.
3. Understand the complexities involved with using measured numbers in computations and be able to compute and communicate the resulting variability in the computed values.
4. Provide students with an opportunity to experience connections between geometry and algebra to increase their flexibility in problem-solving.

Topics:

- Variation in measurement
- Right-triangle trigonometry
- Mathematical modeling with linear and exponential models

Last updated Dec. 8, 2002.