

Welcome to MATH 1332/NCBM 0185 – Contemporary Mathematics with Support

Semester Syllabus

Delete these instructions after following them: Instructors must make the following customizations:

- Change all highlighted text and remove highlights. Text highlighted in yellow should be customized; text highlighted in green is instructions that should be followed and then deleted.
- It is impossible to arrange the vertical spacing correctly on the master syllabus, as each instructor will be adding and deleting items. Consider starting each of the Level 1 Headings (The Basics, Course Calendar, Getting Help, Grades, Course Content, and The Details) at the top of a new page.
- In order to make the document accessible to screen readers, the master syllabus uses styles for text. The 6 styles in use are Title, Subtitle, Heading 1, Heading 2, Normal, and [hyperlink](#). If you would like to customize these styles with different fonts or formatting, please do so using Styles. Right click on the style you want to change and choose Modify.
- Please do not add tables without following accessibility procedures. Previous syllabi that contained critical information on the first page without a table do not meet accessibility requirements.

THE BASICS

About Your Instructor

Name: Insert info here

The best way to reach me is: Insert info here

Phone number: Insert info here

Email: Insert info here

Office location (and/or link if appropriate): Insert info here

Office hours: Insert info here

To schedule a conference outside of office hours: Insert info here

About Your Course

Instructional Methodology: Delete these instructions after following them: Choose the correct option and delete the other options

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

DLS—Synchronous Virtual Class Meetings Required: Instruction is fully online with required online meetings during the specified days and times listed.

ONL—Online: Instruction and testing are fully online without required class times.

HYC—Hybrid Classroom: Instruction is mostly on-campus with remaining instruction online.

Synonym: Insert info here **Section:** Insert info here

Meeting location: Insert info here **Meeting times:** Insert info here

Prerequisites: Appropriate score on the TSI Mathematics Assessment. Corequisite(s): MATH 1332.

Paired Course Policy: This is a paired course. Students who withdraw from NCBM 0185 will automatically be withdrawn from MATH 1332.

Required Materials

This is a First Day™ class. The cost of required course materials, including an online version of the textbook and software access, has been added to your tuition and fees bill.

Textbook: Using & Understanding Mathematics: A Quantitative Reasoning Approach, 8th Edition by Bennett & Briggs. Pearson Publishing (MyLab software) ISBN-10: 0137575335, ISBN-13: 9780137575336

Calculator: You will need a scientific or business calculator; it should have a y^x or x^y key and a square root key. Graphing calculators are fine but not required. You may be working in a computer lab depending on availability and the instructor's discretion.

Other Technology: Delete these instructions after following them: Delete webcam info if it does not apply; add any other needed technology.

Access to a webcam and microphone are required for this course. Eligible students can check out required technology at <https://www.austincc.edu/students/student-technology-services>.

COURSE CALENDAR

Delete these instructions after following them: This is the recommended 16-week calendar from the course committee. See the document “Suggested Course Calendars” for other options and customize this chart as appropriate.

Note: Schedule changes may occur during the semester. Any changes will be announced in class and posted as a Blackboard Announcement.

Week	Sections	Material
1	Course Intro, 2A	Unit Analysis
2	2B, 3A	Extending Unit Analysis; Uses and Abuses of Percentages
3	3B, 1C	Putting Numbers in Perspective; Sets and Venn Diagrams
4	Test 1, 3E	Test 1; How Numbers Can Deceive
5	5A, 5B	Fundamentals of Statistics; Should You Believe a Statistical Study?
6	5C, 5E	Statistical Tables and Graphs; Correlation and Causality
7	Test 2, 6A	Test 2; Characterizing Data
8	6B, 6C	Measures of Variation; The Normal Distribution
9	7A, 7B	Fundamentals of Probability, Combining Probabilities
10	7C, Test 3	The Law of Large Numbers, Test 3
11	4A, 4B, 4C	Taking Control of Your Finances; The Power of Compounding; Savings Plans and Investments
12	4D, 4E	Loan Payments, Credit Cards, and Mortgages; Income Taxes
13	Test 4, 1A	Test 4; Living in the Media Age
14	1E, 12A	Critical Thinking in Everyday Life; Voting: Does the Majority Always Rule?
15	12C, 12D	Apportionment: The House of Representatives and Beyond; Dividing the Political Pie
16	Last Test/Project	Last Test/Project

Important Dates

Last day to withdraw: Insert date here

Holidays: Insert ACC holidays for current semester

(Please note these are the **ONLY** holidays this semester.)

Making Time to Learn

We learn math by thinking about and working on mathematical problems, which takes time. Practice is crucial in a math course. To ensure that you have adequate time, set aside 8-12 hours per week outside of class time to practice and study for this course. Ask for help immediately when something isn't clear.

GETTING HELP

ACC provides several free resources for students who need help; descriptions and links are below:

Office hours: Another name for office hours is “student hours.” This is the time your instructor has set aside to answer student questions, so feel free to drop by if you have questions. Office hours may be virtual or on campus; see information above.

Instructional Associates: Instructional Associates specific to the course you are taking are available for tutoring. To make an appointment, go to <https://sites.google.com/a/austincc.edu/math-students/meet/list> and then click on your course.

Learning Labs: The ACC Learning Labs provide tutoring in math and other subjects. To schedule an appointment, go to <https://www.austincc.edu/students/learning-lab>. This site includes information about in person and virtual tutoring options.

Academic Coaching: Academic coaches offer extra support to students with study strategies; they want to help you learn to be an active participant in your own learning process. For more information or to make an appointment with an academic coach, go to <https://www.austincc.edu/students/academic-coaching>.

ACC Student Services: Services are offered in many areas, including Academic, Financial, Personal, and Technology Support. For more information, go to <https://www.austincc.edu/student-support>.

GRADES

Delete these instructions after following them: Grading criteria should be clearly explained in the syllabus. The criteria should specify the number of exams and other graded material (exercises, term papers, homework, assignments, projects, etc.), and the weight assigned to them. **Instructors must include where students can access their grades.** Instructors should discuss the format of exams (multiple choice, short answer, essay, matching, combination, etc). Guidelines for other graded materials, such as homework or projects, should also be included in the syllabus. Having explicit detail in this section helps to more easily resolve issues with student grades should they arise. Links to grading and evaluation rubrics could also be included here. An example is given below; you should modify it to fit your course.

MATH 1332 Grade Components

Delete these instructions after following them: The grade breakdown below was taken from the MATH 1332 Master syllabus. This section should be customized by the instructor to reflect their course. Instructors must follow the MATH 1332 grading policies outlined on the MATH 1332 course page for the MATH 1332 grade breakdown.

Major Proctored Assessments: 60%

Major Unproctored Assessments: 20%

Homework: 10%

Quizzes: 10%

NCBM 0185 Grade Components

Delete these instructions after following them: This weighting is used by all instructors to calculate the MATD 0185 grade.

As this course is meant to support your progress through MATH 1332, 60% of your NCBM 0185 grade will be determined by your overall MATH 1332 grade.

MATH 1332 Grade: 60%

Participation: 40%

Grading Scale

A: 90 - 100

B: 80 – 89

C: 70 – 79

D: 60 – 69

F: < 60

Where can I find my grades?

Grades will be posted **in Blackboard.**

What will we do in this class?

Tests: Insert info here

Homework: Insert info here

Quizzes: Insert info here

Group work: Insert info here

Participation:

Delete instructions after following: A daily participation grade is required for NCBM 0185. If you chose to include attendance in your grading scheme, only 5% of the participation grade can come from attendance. Instructors need to specify how participation will be assessed. You may use one or more of the following options, or you can determine different methods for assessing participation.

Options for assessing participation points include, but are not limited to:

- o Collecting notes after each exam
- o Periodic binder checks
- o Checking notes/group work during class
- o "Exit tickets"
- o Soft skills activities.

What happens if I miss something?

Dropped Grade Policy: Insert info here

Late Work Policy: Insert info here

Missed Exam Policy: Insert info here

Attendance/Class Participation Expectations and Policy: Regular and punctual class and laboratory attendance is expected of all students. If attendance or compliance with other course policies is unsatisfactory, the instructor may withdraw students from the class.

COURSE CONTENT

Course Description

Credit Hours: 4, Contact Hours: 4

MATH 1332 - Contemporary Mathematics (3-3-0). A topics-based course, with a variety of possible topics chosen by individual instructors. The selected topics may include: sets, logic, number theory, geometry, probability and statistics, and the mathematics of finance and social choice. This course is not algebra-intensive, and is designed for non-technical majors.

NCBM 0185 – Support for Contemporary Mathematics (1-1-0). This course is designed to support students concurrently enrolled in MATH 1332 by providing additional focus on MATH 1332 topics and just-in-time review of prerequisite topics, as needed. This course is not for college level credit.

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.

NCBM 0185: This course is intended to provide support to students who are taking MATH 1332 Contemporary Mathematics. It must be taken along with the paired section of MATH 1332.

MATH 1332 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.

MATH 1332 Student Learning Outcomes

Upon successful completion of the course, a student should be able to:

- Apply the language and notation of sets.
- Determine the validity of an argument or statement and provide mathematical evidence.
- Solve problems in mathematics of finance.
- Demonstrate fundamental probability/counting techniques and apply those techniques to solve problems.
- Interpret and analyze various representations of data.
- Demonstrate the ability to choose and analyze mathematical models to solve problems from real-world settings, including, but not limited to, personal finance, health literacy, and civic engagement.
- Understand that mathematics is an evolving discipline, interrelated with human culture, and understand its connections to other disciplines.

NCBM 0185 Course Objectives/Student Learning Outcomes

1. Provide an opportunity to increase/improve quantitative literacy.
2. Provide an opportunity to communicate mathematical ideas in a small group setting.
3. Provide just-in-time review of prerequisite arithmetic and algebra topics.

General Education Competencies

- Communication Skills: Develop, interpret, and express ideas and information through written, oral and visual communication that is adapted to purpose, structure, audience, and medium.
- Critical Thinking Skills: Gather, analyze, synthesize, evaluate and apply information for the purposes of innovation, inquiry, and creative thinking.
- Empirical and Quantitative Skills: Apply mathematical, logical and scientific principles and methods through the manipulation and analysis of numerical data or observable facts resulting in informed conclusions.

THE DETAILS

[Delete these instructions after following them: Remove the following two paragraphs if your class is not online]

Distance Education Information: This class is fully online. Successful online students actively participate in class on a regular basis just like in an on-campus class and avoid putting off classwork until the last minute. This includes reading assignments, taking quizzes and tests, and any other activities assigned by your professor. You will need to stay motivated and routinely log in to your classes in order to keep on top of your assignments.

Students will use the Blackboard learning management system for assignment instructions, submitting assignments, and collaboration. Students are encouraged to read ACC Distance Education General Information available at <https://online.austincc.edu/faq/>.

First Day Access: To enhance your learning experience and provide affordable access to the right course material, this course is part of an inclusive access model called First Day™. You can easily access the required materials for this course through Blackboard, at a discounted price, and benefit from single sign-on access. Austin Community College includes the discounted price as a course fee in your registration fees for this course.

It is NOT recommended that you Opt Out, as these materials are required to complete the course. You can choose to Opt Out on the first day of class, but you will be responsible for purchasing your course materials at the full retail price and access to your materials may be suspended. See your course in Blackboard for details.

Importance of Completing Developmental Course Requirements: The first steps to achieving any college academic goal are completing developmental course requirements and TSI requirements. The first priority for students who are required to take developmental courses must be the developmental courses. TSI rules state that students are allowed to take college credit courses, if they are fulfilling their developmental requirements. Because successful completion of developmental courses is so important, ACC will intervene with any student who is not successfully completing developmental requirements. This intervention can

mean a hold on records, requiring developmental lab classes, working with the Instructional Associate, and monitoring during the semester.

Withdrawal Policy: It is the responsibility of each student to ensure that his or her name is removed from the roll should he or she decide to withdraw from the class. The instructor does, however, reserve the right to drop a student should he or she feel it is necessary. If a student decides to withdraw, he or she should also verify that the withdrawal is submitted before the Final Withdrawal Date. The student is also strongly encouraged to retain their copy of the withdrawal form for their records.

Students who enroll for the third or subsequent time in a course taken since Fall 2002 may be charged a higher tuition rate for that course. State law permits students to withdraw from no more than six courses during their entire undergraduate career at Texas public colleges or universities. With certain exceptions, all course withdrawals automatically count towards this limit. Details regarding this policy can be found in the ACC college catalog.

Reinstatement Policy: Students who withdrew or were withdrawn will not be reinstated unless they have completed all coursework, projects, and exams necessary to place them at the same level of course completion as the rest of the class. Reinstatement is up to the instructor's approval.

Incomplete Grade Policy: Incomplete grades (I) will be given only in very rare circumstances. Generally, to receive a grade of "I", a student must be up to date on coursework and have a passing grade, and after the last date to withdraw, have a legitimate reason that prevents course completion. An incomplete grade cannot be carried beyond the established date in the following semester. The completion date is determined by the instructor but may not be later than the final deadline for withdrawal in the subsequent semester.

Communication with Your Instructor: All e-mail communication to students will be sent solely to the student's ACCmail account or math software if applicable, with the expectation that such communications will be read in a timely fashion. Likewise, students should use their ACCmail account or math software when communicating with instructors. Instructors will respond to student emails within 3 business days, if no response has been received by the student at the end of that time, then the student should send a reminder to the instructor.

Name Change Information: If you want to change how your name appears online at ACC, go to <https://www.austincc.edu/admissions/update-student-information/chosen-name>.

General College Policies: Policies that apply to all courses at ACC can be found here: <https://www.austincc.edu/offices/academic-outcomes-assessment/master-syllabi/college-policies>.