

Math 1010-90

Fall 2017

This Syllabus is also presented as an Informational Quiz on Canvas

INSTRUCTOR INFORMATION

Instructor: Hsiang-Ping Huang

Office: JWB 103 (JWB is on President's circle, east of Kingsbury Hall)

Office Phone: 801-585-7667 (but e-mail/ Canvas mail better)

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COMMUNICATION: You may contact the instructor by UMail or through Canvas-mail. When e-mailing your instructor, please include "1010-90" in the subject line. All announcements for the course will either be posted in quiz format on the Canvas website (these are graded) or sent by Canvas-mail.

OFFICE HOURS: There will be in-person office hours once each week. No appointment is necessary to come to office hours.

- **Wednesday 2:00 pm - 3:00pm** in JWB 103

ONLINE OFFICE HOURS: I will hold one online office hour once each week:

- **Monday 4:00-5:00 pm**

Participating in one of these is similar to making a Skype call while watching a math video. To attend, go to conferences in Canvas. You need speakers. If you have a microphone, you can ask questions; if not you can type them.

ALTERNATIVE MEETINGS: If the times above are not convenient for you, contact me about setting up a meeting or office hour at an alternative time.

COURSE OBJECTIVES:

Upon successful completion of Math 1010-90, a student should be able to:

1. Engage with problems which are unfamiliar to them and to which the solutions or paths to solutions are not immediately obvious.
2. Extract relationships between quantities and describe them in different ways: tables, expressions, graphs, words, and can translate between these representations in order to answer questions most efficiently.
3. Answer questions about quantities given relationships between two or more by solving equations, whether it be algebraically, using tables, graphs or approximating.
4. Understand the connections between solving equations and inverse functions.
5. Understand how different growth patterns influence shape of the graph.
6. Recognize linear, exponential and polynomial functions from verbal descriptions, tables, and graphs, and use those productively to solve problems.

PREREQUISITES:

Prerequisites: "C" or better in MATH 990 OR Accuplacer EA score of 54 or better OR ACT Math score of 18 or better OR SAT Math score of 470 or better.

Important Note: The mathematics department DOES enforce prerequisites for all undergraduate courses. If you were able to register for this class based on your enrollment in the prerequisite course last semester and you did not receive the minimum grade in that course to enter this class, then you will be dropped from this class on Friday of the first week of classes. If you are in this situation, it is in your best interest to drop yourself from this class and enroll in a class for which you have the prerequisites before you are forcibly dropped.

WEEKLY WORKLOAD:

This is an online course, but still an intense course. According to the University of Utah, a 4-unit course should have about 4 hours of lecture and 8 hours of outside study/homework time. This means that our online course, will take the average student about 12 hours per week. Some students will be able to get by on less, and some student will need more.

Each week, we cover specific sections. You can choose when you work on the material in the week, keeping your objective and topic goals in mind, but you can't complete the course at your own pace.

IS ONLINE RIGHT FOR YOU?

Before committing to this course, consider whether the online format matches your learning style. To aid in this, please look at: [A: Online?](#) (this is an informational quiz on Canvas.)

ONLINE MATERIALS:

Materials for this course can be found on TWO websites:

- Canvas <https://utah.instructure.com/> Since you are taking this quiz, you have found this site. It is a good idea to save this address, so that you can get to Canvas without going through CIS. Usually once or twice a term, CIS goes down, so the alternative access is useful.
- ALEKS: This is the homework/practice website. There is also access to the E-book and additional learning resources. You will access the site through Canvas. You need to purchase ALEKS access. You can do so through ALEKS or at the bookstore (bundled with the loose-leaf text). See [A: ALEKS](#) (this is an informational quiz on Canvas) for more information.

TEXT:

Intermediate Algebra, 4th Edition by Julie Miller, Molly O'Neill, Nancy Hyde.

You can use the E-book within ALEKS or purchase a loose-leaf version of this textbook through ALEKS or at the UofU bookstore. The latter is bundled with ALEKS access. Students often ask if the textbook is necessary. My response and additional information about how to get the textbook can be found here: [A: Textbook](#) (this is an informational quiz on Canvas.)

TECHNOLOGY:

The majority of the course work can be done without a calculator (if you are curious about a particular problem, just ask). However, in order to focus on algebra and not arithmetic, four-function and scientific calculators are useful and occasionally necessary, both for homework and exams. On exams, calculators on phones and graphing calculators are NOT allowed.

HELP:

Contacting me by my e-mail, coming into office hours, or setting up an appointment is the first way to get help. I am happy to talk about individual problems, mathematical concepts, or help you make a study/learning plan. Please seek help early in the term.

If you have a question about an ALEKS problem, you can contact me through ALEKS (good if it's a formatting question) or look/post in the Canvas discussion board (good for content questions/ calculation issues). For the best feedback, please submit the work you have been doing.

You can also get tutoring through the following:

- **Math Tutoring Center (drop-in tutoring and computer lab)**. This is free to all students. It is in the underground passage between JWB and LCB, Room 155. See <http://www.math.utah.edu/ugrad/mathcenter.html> ([Links to an external site.](#))[Links to an external site.](#) for hours.
- Private Tutoring: University Tutoring Services, 330 SSB (they offer inexpensive tutoring). There is also a list of tutors at the Math Department office in JWB 233.

BREAKDOWN OF COURSE:

- **Reading Announcements on Canvas.** Course documents and announcements are given in quiz format and have a short quiz about the content at the end. These "quizzes" begin with "A:..." Completing these is worth 2% of your grade. Suggested due dates are shown, but these can be completed at any time up to one day before the final.
- **Reading from your textbook.** See my comments on the textbook here: [A: Textbook](#) (this is an informational quiz on Canvas.)
- **Watching the video lectures.** They are available through the modules or in both streamable and downloadable versions at <http://www.math.utah.edu/lectures/math1010.html> ([Links to an external site.](#))[Links to an external site.](#) (It's good to save this address, in case Canvas is down)
- Working in **ALEKS**. ALEKS is an adaptive homework system, which means it assesses what you know and what you don't know and then customizes your assignments accordingly. In ALEKS, you will work on Objectives (the equivalent of homework assignments) and periodically take Knowledge Checks (quizzes that are not graded, but determine the customization of objectives). This is how your work in ALEKS contributes to our course:
 - 16% from Completing your Objectives. There are 14 objectives in the course, one for each week and one for each exam. Their due dates are shown in ALEKS. Partial credit is awarded. Your lowest score is dropped at the end of the term

- 5% from Weekly Time Goals. This is to encourage you to work on topics every week, throughout the week. To get full credit, you need to spend 6 hours each week in ALEKS, except in the first and last week and during exam weeks. Weeks start on Sunday, 12:00 am and run through Saturday, 11:59pm. Note, if on the day after your time-goal is due, your objective goal is higher than your time goal, then your time goal will be adjusted.
- **Bi-weekly Take-Home Quizzes:** There will be seven take-home quizzes, one at the end of weeks 2, 4, 6, 8, 10, 12, and 14. You can access them on Friday (earlier by special arrangement) and they are due on Tuesdays. You will need to scan and upload them. The quizzes are worth 7% of your grade. The lowest quiz score will be dropped at the end of the term.
- **Exams:** There are two midterm exams. Each exam is worth 20% of your grade. You must schedule your exams ahead of time, using the Schedule exams link on the top left of the Canvas course page. Exams will be administered at the Uonline testing center (in the Marriott Library), at a satellite testing center in Sandy, or if you are out of area, with a proctor that you set up and register with Uonline. There will be practice material provided prior to each exam. You are allowed a scientific calculator on exams. More information about exams, including how to set up a proctor, can be found here [A: Exams](#) (this is an informational quiz on Canvas.)
- **Common Final:** The final is comprehensive and worth 30% of your grade. You will take the exam at the testing center or with a proctor, just like you did your other exams.
- **Extra Credit:** Extra credit, worth up to 4% or more of your course grade, can be earned for participating in online discussions (by asking or answering questions with significant mathematical content), taking the pre-test, spotting errors in course materials, or participating in other announced opportunities. See [A: Extra Credit](#) for details (this is an informational quiz on Canvas.)

DATES:

Weekly Due Dates:

- ALEKS Objectives due Tuesdays at 11:59pm
- ALEKS time goals due Saturdays at 11:59 pm (note exception in exam weeks; measures topic progress in the previous 7 days)

Exams (Schedule at a time between the dates below):

- Exam 1: (Week 6) Mon 9/25 – Fri 9/29
- Exam 2: (Week 11) Mon 10/30 – Fri 11/3
- Final: (Week 17/Finals Week) Mon 12/11 - Fri 12/15

Other dates:

- Add/Drop/Audit date: Fri 9/1
- Withdraw date: Fri 10/20

GRADING:

Grades are calculated as follows: Announcements (2%), ALEKS (21%), Quizzes (7%), Midterms (40%) and Final (30%). A score of 72% is required for a C, which is the prerequisite to take the next class. You should monitor your course grade throughout the semester by looking at “Grades” in Canvas. At the end of the semester, the "current grade", not the "final grade" is used to determine the course letter grade.

The grading scale is:

[0,50) E
[50,60) D-
[60-66) D
[66,69) D+
[69-72) C-
[72-77) C
[77,80) C+
[80,83) B-
[83-87) B
[87,90) B+
[90,93) A-
[93,∞) A

MODIFICATIONS:

I modify the above grading scale in the following cases.

1. If your course percentage is less than your final percentage, your final percentage gives you a grade between a D- and a C, and you have participated in other parts of the course, your final percentage will be used to determine your course letter grade
2. If your course percentage is less than your final percentage by 5 or more percentage points, your final percentage gives you a grade above a C, and you have participated in other parts of the course, your course letter grade will be based on the average of your final percentage and your course percentage. For example, if you have a C in the course but earn a B on the final, you might receive a C+ as your grade for the class.

LATE POLICY:

In general, the due dates of objective, time goals, quizzes, and exams are not extended. In order to provide you with a buffer and have a policy that is manageable to implement for a large class, your lowest objective score and lowest time goal score will be dropped (after the last week of the term). If you know you will have a time conflict/busy week/ be away, etc., please contact me ahead of time. We will make arrangements for you to complete the assignment, quiz, or exam early.

If there is a BIG, UNANTICIPATED circumstance beyond your control that prevents you from taking a quiz or exam, or completing your homework, please contact me in a timely manner with documentation by a third party (for example, a Dr.'s note) and we will discuss options.

Center for Disability & Access

The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in the class, reasonable prior notice needs to be given to the Center for Disability & Access, 162 Olpin Union Building, 801-581-5020. CDA will work with you and the instructor to make arrangements for accommodations.

All written information in this course can be made available in alternative format with prior notification to the Center for Disability & Access.

STUDENT RESPONSIBILITIES:

All students are expected to maintain professional behavior in the classroom setting, according to the Student Code, spelled out in the Student Handbook. You have specific rights in the classroom as detailed in Article III of the Code. The Code also specifies proscribed conduct (Article XI) that involves cheating on tests, collusion, fraud, theft, etc. Students should read the Code carefully and know you are responsible for the content. According to Faculty Rules and Regulations, it is the faculty responsibility to enforce responsible classroom behaviors, beginning with verbal warnings and progressing to dismissal from class and a failing grade. Students have the right to appeal such action to the Student Behavior Committee. <http://regulations.utah.edu/academics/6-400.php>