Math 148 – Autumn 2011
Algebra and Trigonometry and Their Applications

Course Information


(There are major changes from previous versions of the textbook. Access to online homework for one student comes with purchase of the textbook. Access to online homework can also be purchased separately.)

COURSE WEBSITE: The course calendar, syllabus, homework assignments, lab assignments, and sample exam questions are posted on the course website:
http://www.math.ohio-state.edu/courses/148/

CALCULATORS: A graphing calculator is a required component in this course. It is recommended that you use a TI-83 or a TI-84.

Note: Calculators that use a Computer Algebra System (such as TI-89 and TI-92) are not permitted.

GEC INFORMATION: This Mathematics course can be used, depending on your degree program, to satisfy the Quantitative and Logical Skills category of the General Education Requirement (GEC). The goals and learning objectives for this category are:

Goals: To develop logical reasoning, including the ability to apply mathematical concepts and methods and to use mathematical models.

Learning objectives: Students learn mathematical methods adequate to solve basic application-oriented problems. Students learn algebraic problem solving skills useful in more advanced mathematics and science courses.

IMPORTANT NOTE: The prerequisite for this course is Math 104 or placement level N on the Mathematics Placement Test. Students who received an E in Math 104 have not met the prerequisite and will be dismissed from this course in accordance with faculty rule #3335-7-33. Students who received a D or D+ in Math 104 are unlikely to pass this course and are advised to repeat Math 104. Please see your advisor to adjust your schedule if necessary.

COURSE GRADE: Your final grade will be based on your recitation score, midterm scores, and final exam score. The point values for each are given in the following table:

<table>
<thead>
<tr>
<th>Total Possible Points</th>
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<tr>
<td>100 points Recitation (Labs: 30 pts / Quizzes: 40 pts / Online Homework: 30 pts)</td>
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<tr>
<td>200 points Midterms (2 midterms at 100 points each)</td>
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<tr>
<td>150 points Final Exam</td>
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<td>450 points</td>
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APPROXIMATE PERCENTAGE GRADING CUTOFFS:
90 A, 87 A-, 83 B+, 80 B, 77 B-, 73 C+, 70 C, 67 C-, 63 D+, 60 D

EXAM SCHEDULE: Attendance at the exams at the scheduled time and place is required. You must have your OSU ID at each exam.

| Exam 1  | §1.1-1.3, 2.2-2.4, 3.1, L1-L2 | Monday, October 17 | 5:30-6:20 pm |
| Exam 2  | §3.2, 4.1-4.4, 5.1-5.2, L3 | Monday, November 14 | 5:30-6:20 pm |
| Final   | Cumulative | Monday, December 5 | 5:30-7:20 pm |

Exams 1 and 2 are 50 minutes in length. The Final Exam is 110 minutes.

EXAM ROOMS: Exams will not be held in your regular classroom. Room assignments will be announced in class and posted on the Math 148 website the week before an exam. If an exam is cancelled because of a university class cancellation (for example, in a snow emergency), the exam will be rescheduled as announced in lecture. Sections that are covered in the interim may appear on the rescheduled exam.

MAKEUP EXAMS: You must have a permission slip that has been completed by your lecturer to take a make-up exam. To receive a permission slip, you must provide your lecturer with documentation demonstrating a conflict with the regularly scheduled exam. Students who have a time conflict with
another regularly scheduled OSU course may take the make-up exam. However, students with other types of time conflicts (like work, social activities, etc.) should prearrange to take the exam at the scheduled time and date. Make-up midterms are scheduled for the morning after each midterm 7:30-8:20 am. The make-up final is scheduled for Tuesday, December 6, 9:30-11:20 am. See your lecturer for the location of a make-up exam.

RECIATION:

- **Homework:** Homework consists of online homework (graded) and additional offline assignments from the course textbook. (Access information for online homework will be available from your lecturer on the second day of lecture. Students are responsible for completing online homework before it falls due – the online homework system does not accept homework that is overdue.) The offline assignments are listed under **Math 148 Homework Assignments.** You are responsible for all homework, whether graded or not.

- **Labs:** There are four lab assignments, of which the last three will be collected for grading. In each lab you are expected to apply and build upon the material presented in lecture. Labs are due in recitation as indicated on the **Calendar** and cannot be accepted after the due date. (If you will miss recitation on the due date, make arrangements with your recitation instructor to turn in the lab early.) You will need to print the labs from the Math 148 website:

  http://www.math.ohio-state.edu/courses/148/

- **Quizzes:** There are five quizzes, based on homework and lab assignments and given as scheduled in your recitation class. The best four quiz scores will count towards your grade.

CARMEN: Carmen is a web-based course tool that allows you to view your grades. You can access Carmen by visiting [http://carmen.osu.edu](http://carmen.osu.edu). You will need your OSU ID and password (the same ID and password which you use to access the Registrars website).

EXTRA HELP:

- **OFFICE HOURS:** Your lecturer and recitation instructor will have office hours for individual help.

- **MSLC (Mathematics and Statistics Learning Center):** The MSLC offers the following services:
  - **TUTOR ROOM:** The Math 148 tutor room is located in the Mathematics Building, room 010 and is open Monday through Thursday, 9:30 am - 4:30 pm and Friday, 9:30 am -1:30 pm, starting the second week of classes. Some evening tutoring hours are also planned – visit the MSLC website for location and schedule.
  - **EXAM REVIEW SESSIONS.**
  - **LAB WORKSHOPS.**
  - **WORKSHOPS.**

  Please visit the MSLC website, [www.mslc.ohio-state.edu](http://www.mslc.ohio-state.edu), for more information about these services.

DISABILITY STATEMENT: Students with disabilities that have been certified by the Office of Disability Services will be appropriately accommodated, and should inform the instructor as soon as possible of their needs. The Office of Disability Services is located in 150 Pomerene Hall, 1760 Neil Avenue; telephone 292-3307, TDD 292-0901; [http://www.ods.ohio-state.edu/](http://www.ods.ohio-state.edu/)

ACADEMIC MISCONDUCT STATEMENT: It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term academic misconduct includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee. For additional information, see the Code of Student Conduct:

[http://studentaffairs.osu.edu/resource_csc.asp](http://studentaffairs.osu.edu/resource_csc.asp)

Revision: August 15, 2011