

MANDATORY ORIENTATION MEETING

All students enrolled in Math 144 for the Summer and Fall 2017 semesters must attend exactly one of the following orientation meetings in the semester they are registered. SUMMER orientation meetings will be held in the Polya Mathematics Center. The locations of the FALL orientation meetings will be announced. The meetings last about 20 minutes. **Any student who does not attend an orientation meeting will be automatically dropped from the course.**

Orientation Meeting Dates and Times for Summer Session 1 (May 15 – June 23)

Monday, May 15	9:30 AM
Tuesday, May 16	10:30 AM

Orientation Meeting Dates and Times for Summer Session 2 (June 26 – August 4)

Monday, June 26	9:30 AM
Tuesday, June 27	10:30 AM

Orientation Meeting Dates and Times for Fall Students (August 21 – December 15)

Tuesday, August 22	4:30 PM
Wednesday, August 23	4:30 PM
Thursday, August 24	4:30 PM

How to Get Started in MATH 144

Always bring this notebook to the Polya Mathematics Center *every time* you visit the lab.

How To Get Started...

- 1. Attend your orientation meeting.
- 2. Register for MyLabsPlus.
 - Go to [uidaho.mylabsplus.com](https://uidaho-mlpui.openclass.com) (will redirect to <https://uidaho-mlpui.openclass.com>)
 - Your username will be **your University of Idaho email address**.
 - Your password will be **the last five digits of your student ID**. (You can change this if you want.)
 - Enter your access code when prompted.
- 3. Get started on your first homework assignment.
- 4. Bring your notebook to the lab every time!**

Math 144 Course Notebook Table of Contents

Course Syllabus	7
Grade Summary Sheets.....	13

Section 1.1.....	Error! Bookmark not defined.
Section 1.3.....	Error! Bookmark not defined.
Section 1.4.....	Error! Bookmark not defined.
Section 1.5.....	Error! Bookmark not defined.
Section 1.6.....	Error! Bookmark not defined.
Section 2.1A.....	Error! Bookmark not defined.

Test 1 will cover Chapter 1 and the first part of Section 2.1. See pages 3 and 4 for test deadlines.
There will be NO EXTENSIONS FOR ANY REASON.

Section 2.1B.....	Error! Bookmark not defined.
Section 2.2.....	Error! Bookmark not defined.
Section 2.3.....	Error! Bookmark not defined.
Section 2.4.....	Error! Bookmark not defined.
Section 2.5.....	Error! Bookmark not defined.

Test 2 will cover Chapter 1 and Chapter 2. See pages 3 and 4 for test deadlines. **There will be NO EXTENSIONS FOR ANY REASON.**

Section 3.1.....	Error! Bookmark not defined.
Section 3.2.....	Error! Bookmark not defined.
Section 3.3.....	Error! Bookmark not defined.
Section 3.5.....	Error! Bookmark not defined.

Test 1 will cover Chapter 1, Chapter 2 and Chapter 3. See pages 3 and 4 for test deadlines.
There will be NO EXTENSIONS FOR ANY REASON.

Test 3 Formula Sheet	Error! Bookmark not defined.
----------------------------	-------------------------------------

**MATH 144
TRIGONOMETRY**

Course Syllabus

Summer and Fall 2017

1. GOALS OF THE COURSE: The primary purpose of Trigonometry is to improve your skills and competency in trigonometry to prepare you for calculus. Another goal is to help you develop your mathematical learning skills so that you will be more confident in future mathematical courses.

2. LEARNING OUTCOMES: After completing Math 144, the student should be able to do the following without the use of a calculator:

- Understand the right triangle definitions of the trigonometric functions
- Understand the unit circle definitions of the trigonometric functions
- Evaluate trigonometric functions of angles belonging to the $\frac{\pi}{3}$, $\frac{\pi}{4}$, and $\frac{\pi}{6}$ families
- Sketch the graph of functions of the form $y = A\sin(Bx + C) + D$ and $y = A\cos(Bx + C) + D$
- Understand the graph of the tangent function and its properties
- Understand the graph of the cosecant and secant functions and their properties
- Understand the graphs of the inverse sine function, inverse cosine function, and inverse tangent function
- Evaluate expressions involving inverse trigonometric functions
- Verify trigonometric identities
- Solve trigonometric equations

3. REQUIRED STUDENT MATERIALS

MATH 144 SUMMER/FALL 2017 COURSE NOTEBOOK: Fill out every page of the notebook by working through the eText, watching videos, animations, etc. **Filling out the course notebook will give students the best possible chance at success in this course!!**

MyLabsPlus Access Code: All students must purchase a Math 144 access code in the UI Bookstore. Please bring this code with you to the first class meeting.

VANDAL CARD: You will need your Vandal card in order to take an exam in the Polya Math Center.

HEADPHONES: Headphones are needed to listen to the video lectures at the computers.

Note: Calculators will **NOT BE ALLOWED** during any exams in this course.

4. GRADE CALCULATION

- This course will cover three chapters (Ch 1, Ch 2, and Ch 3). There will be one test after the completion of each chapter (see the Notebook Table of Contents for a list of sections covered) for a total of three tests throughout the semester. Each test is worth 100 points.
- There are a total of 15 homework assignments. Your total homework percent score will be computed at the end of the semester. Your total homework score is worth 100 points. **This overall Homework score can be used to replace one of your three test scores.**
- The tests are cumulative. Each test will cover material from the entire semester leading up to the test. Therefore, test 3 will cover the entire semester.
- Students will have the opportunity to take each test up to 3 times, but may take only one test per day; only the highest score will count. (Note: if a student takes more than one test in a day, then only the first score will count.)
- Calculators are **not allowed** during tests.

Four grades will be used to calculate your final course grade – Homework Average, Test 1, Test 2, and Test 3. The three highest scores will be counted for a total of 300 points.

Your course grade will be based on the total number of points (out of 300) that you have earned as follows:

270 points guarantees an A

240 points guarantees a B

210 points guarantees a C

180 points guarantees a D

5. HOMEWORK AND TEST EXTENSIONS

- The due dates for the homework and the tests are stated in this notebook. These due dates will not change and there will be **NO EXTENSIONS** except for reasons recognized by the University.
- Make up work for assignments missed because of absence will not be allowed unless an arrangement with the instructor is made prior to the absence, or in cases of medical or family emergency, in which case documentation of the emergency will be required. Documentation must be **provided within two business days** of the assignment's due date, not to exceed the last day for taking Exam 3C based on the term in which you are enrolled. The term-specific schedule(s) is/are listed in notebook. Bring appropriate documentation to your instructor during posted office hours. These hours will be announced during the class orientation and/or will be emailed to your university email account.
- **IF YOU ARE HEALTHY ENOUGH TO BE ON CAMPUS ON THE DAY THAT A TEST OR NOTEBOOK QUIZ IS DUE, THEN A DOCTOR'S NOTE WILL NOT BE ALLOWABLE AS AN EXCUSE.**
- A valid doctor's note will be written on letterhead from the doctor's office, will be dated and signed, contain the dates for which the student is excused, and will contain a disclaimer indicating that schools are authorized to verify the information contained in the note.
- If ongoing illness or other circumstances fitting the catalog definition of an excused absence prevent you from bringing documentation for your absence within two business days, then each additional delay must also be documented and the documentation for the delay must be presented with the documentation for the original absence. (See University Catalog under General Requirements and Academic Procedures, section M for details about absences.)

- Please note that problems with your personal computer or internet connection are **not** grounds for an extension.
- If an extension is granted, the length of the extension will be determined by the number of days listed on the documentation.

6. TESTING IN THE POLYA LAB

Tests must be taken in the Polya lab only. Testing times in the Polya Lab will be announced during the class orientation and/or will be emailed to your university email account.

- **NO CALCULATORS** of any kind are allowed during tests.
- **NO NOTES** of any kind are allowed during tests, although a sheet of formulas will be provided during Test 3.
- **NO DEVICES** which are capable of transmitting or receiving data, including but not limited to watches, phones, tablets, iPods, and calculators, may be on your person during the exam. Any such items are expected to be left at home or securely stowed in your bag. Failure to do so will result in a zero on the exam and possibly a failing grade for the course.
- **Students must earn at least a 60% on the corresponding practice test** before the first version of the test will become available.

7. COMMUNICATIONS AND EMAIL

Announcements about the course, special sessions, changes in schedules or procedures, and so forth, will be sent to your university e-mail account. You are expected to check your University e-mail regularly. **Every student must attend a mandatory orientation session at a time announced via email which will be sent to your university email account.**

All emails must be sent through the email form located at: <https://sites.uidaho.edu/polyaweb/Login> . Any emails sent without using this form will not be read.

All emails must follow standard grammar and punctuation rules. Any email which fails to adhere to these standards will be returned to you for revision. **Emails should also follow basic email etiquette.** Any emails that violate the student code of conduct regarding respect of others will be sent to the Dean of Students as appropriate.

8. THE STUDENT WITH SPECIAL NEEDS

We are committed to accommodate students with special needs. Reasonable accommodations are available for students who have documented temporary or permanent disabilities. All accommodations must be approved through Disability Support Services currently located in the Idaho Commons Building, Room 306 (DSS will be moving to the Pitman Center Room 127 sometime during the Fall 2017 semester) in order to notify your instructor(s) as soon as possible regarding accommodation(s) needed for the course.

- (208) 885-6307
- email at dss@uidaho.edu
- website at www.uidaho.edu/dss

9. ACADEMIC HONESTY

Students are expected to maintain Academic Honesty in all their work. Collaboration is encouraged on homework assignments. All tests are considered individual work and must be completed without unauthorized assistance of any kind, including the help of other students, tutors, notes, or calculators. All test materials and scratch paper are to be turned in with the test paper and attempting to bring test work out of the testing area and/or share that work with other students is considered cheating.

The University of Idaho has defined acceptable behavior in the Student Code of Conduct Article II.A-1 – Academic Dishonesty [rev. 7-98, 7-05, 7-14, ed. 7-09]. The following summarizes relevant points related to your math course:

- **Because academic honesty and integrity are core values at a university, the faculty finds that even one incident of academic dishonesty may merit expulsion.**
- **Cheating on classroom or outside assignments, examinations, or tests is a violation of this code.**
- Plagiarism, falsification of academic records, falsification of records and the acquisition or use of test materials without faculty authorization are considered forms of academic dishonesty and, as such, are violations of this code.
- Instructors and students are responsible for maintaining academic standards and integrity in their classes. Consequences for academic dishonesty may be imposed by the course instructor. Such consequences may include but cannot exceed a grade of "F" in the course.

(The full text of the Student Code of Conduct may be found at

<http://www.uidaho.edu/DOS/judicialaffairs/studentcodeofconduct/Student%20Code%20of%20Conduct>)

10. DUE DATES

Summer Session 1, 2017 (May 15 – June 24)

Math 144-01

Section 1.1.....	Tue	May 16
Section 1.3.....	Wed	May 17
Section 1.4.....	Thurs	May 18
Section 1.5.....	Fri	May 19
Section 1.6 and Section 2.1A.....	Tue	May 23
Test 1 A.....	Wed	May 24
Test 1 B.....	Thurs	May 25
Test 1 C.....	Fri	May 26
Section 2.1B.....	Wed	May 31
Section 2.2.....	Thurs	June 1
Section 2.3.....	Fri	June 2
Section 2.4.....	Mon	June 5
Section 2.5.....	Tue	June 6
Test 2 A.....	Wed	June 7
Test 2 B.....	Thurs	June 8
Test 2 C.....	Fri	June 9
Section 3.1.....	Tue	June 13
Section 3.2.....	Wed	June 14
Section 3.3.....	Thurs	June 15
Section 3.5.....	Mon	June 19
Test 3 A.....	Wed	June 21
Test 3 B.....	Thurs	June 22
Test 3 C.....	Fri	June 23

Summer Session 2, 2017 (June 26 – August 4)

Math 144-02

Section 1.1.....	Mon	June 26
Section 1.3.....	Tue	June 27
Section 1.4.....	Wed	June 28
Section 1.5.....	Thurs	June 29
Section 1.6.....	Fri	June 30
Section 2.1A.....	Fri	June 30
Test 1 A.....	Wed	July 5
Test 1 B.....	Thurs	July 6
Test 1 C.....	Fri	July 7
Section 2.1B.....	Mon	July 10
Section 2.2.....	Tue	July 11
Section 2.3.....	Wed	July 12
Section 2.4.....	Fri	July 14
Section 2.5.....	Mon	July 17
Test 2 A.....	Wed	July 19
Test 2 B.....	Thurs	July 20
Test 2 C.....	Fri	July 21
Section 3.1.....	Tue	July 25
Section 3.2.....	Wed	July 26

Section 3.3.....	Thurs	July 27
Section 3.5.....	Mon	July 31
Test 3 A.....	Wed	Aug 2
Test 3 B.....	Thurs	Aug 3
Test 3 C.....	Fri	Aug 4

Fall 2017 (August 21 – December 15)

Math 144-01

Section 1.1.....	Thurs	Aug 24
Section 1.3 and Section 1.4.....	Thurs	Aug 31
Section 1.5, Section 1.6, and Section 2.1A.....	Thurs	Sep 7
Test 1 A.....	Tues	Sep 12
Test 1 B.....	Wed	Sep 13
Test 1 C.....	Thurs	Sep 14

Section 2.1B and Section 2.2.....	Thurs	Sep 21
Section 2.3.....	Thurs	Sep 28
Section 2.4.....	Thurs	Oct 5
Section 2.5.....	Thurs	Oct 12
Test 2 A.....	Tues	Oct 17
Test 2 B.....	Wed	Oct 18
Test 2 C.....	Thurs	Oct 19

Section 3.1.....	Thurs	Oct 26
Section 3.2.....	Thurs	Nov 2
Section 3.3.....	Thurs	Nov 9
Section 3.5.....	Thurs	Nov 16
Test 3 A.....	Tues	Nov 28
Test 3 B.....	Wed	Nov 29
Test 3 C.....	Thurs	Nov 30

The due dates above will NOT be changed. It is the responsibility of the student to adhere to these deadlines and to take responsibility to make sure that these deadlines are met.

Note: Students may finish this course early by completing all assignments and tests. There is no limit to how fast a student can finish this course.

11. COURSE NOTEBOOK

The best way to be successful in this course is to fill out **every page** of this notebook. Fill out each page of this notebook by carefully reading the eText and by watching videos and animations **before** attempting the corresponding homework problems.

Math 144 Grade Summary

Enter your scores in the charts below, as percentages. Remember that you may only take one test in a day. See the Syllabus for the requirements.

Homework (HW)

<i>Homework</i>	<i>Possible</i>	<i>Earned</i>
Section 1.1	100	
Section 1.3	100	
Section 1.4	100	
Section 1.5	100	
Section 1.6	100	
Section 2.1A	100	
Section 2.1B	100	
Section 2.2	100	
Section 2.3	100	
Section 2.4	100	
Section 2.5	100	
Section 3.1	100	
Section 3.2	100	
Section 3.3	100	
Section 3.5	100	
Total	1500	

Test Scores

<i>Test</i>	<i>Score</i>
1A	
1B	
1C	
2A	
2B	
2C	
3A	
3B	
3C	

Divide the HW total by 15 and write the result here: _____ Put this result in the table below:

Grading Scale

(Select the highest three of the HW average, T1, T2, and T3.)

- A: 270 - 300 pts
- B: 240 - 269 pts
- C: 210 - 239 pts
- D: 180 - 209 pts
- F: Below 180 pts

TOTALS	<i>Possible</i>	<i>Earned</i>
HW (average of all 15)	100	
Test 1 (high score)	100	
Test 2 (high score)	100	
Test 3 (high score)	100	
Sum of the top 3 scores above	300	



Math 144 Grade Summary Example

This person earned an "A" for the course without taking Test 3, and they missed one homework assignment. The scores were rounded to the nearest percent for this example.

Homework (HW)

<i>Homework</i>	<i>Possible</i>	<i>Earned</i>
Section 1.1	100	100
Section 1.3	100	100
Section 1.4	100	95
Section 1.5	100	100
Section 1.6	100	100
Section 2.1A	100	0
Section 2.1B	100	100
Section 2.2	100	99
Section 2.3	100	100
Section 2.4	100	100
Section 2.5	100	95
Section 3.1	100	93
Section 3.2	100	100
Section 3.3	100	95
Section 3.5	100	93
Total	1500	1370

Test Scores

<i>Test</i>	<i>Score</i>
1A	80
1B	90
1C	95
2A	75
2B	77
2C	85
3A	--
3B	--
3C	--

Divide the HW total by 15 (this example has 1370/15) and write the result here: 91 Put this result in the table below:

Grading Scale

(Select the highest three of the HW average, T1, T2, and T3.)

- A: 270 - 300 pts
- B: 240 - 269 pts
- C: 210 - 239 pts
- D: 180 - 209 pts
- F: Below 180 pts

TOTALS	<i>Possible</i>	<i>Earned</i>
HW (average of all 15)	100	91
Test 1 (high score)	100	95
Test 2 (high score)	100	85
Test 3 (high score)	100	0
Sum of the top 3 scores above	300	271

