Math 143 Summer 2018 Notebook Table of Contents

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How to Get Started in MATH 143

Always bring this notebook to each class and to the Polya Mathematics Center every time you visit the lab.

How To Get Started…

☐ 1. Attend your first class.

☐ 2. Register for MyMathLab.
   - Go to uidaho.mylabsplus.com
   - Your username will be your University of Idaho email address.
   - Your password will be assigned and emailed to you.
   - Enter your access code when prompted.

☐ 3. Attend Polya Mathematics Center for at least 150 minutes each week.
   - Due Friday. (Due: ________________)

☐ 4. Bring your notebook to class and to the lab every time!
1. **GOALS OF THE COURSE:** The primary purpose of College Algebra is to improve your skills and competency in algebra so that you will be successful in calculus, the other math courses required for your major, and in the courses that use mathematics. 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 143, the student should be able to:
   - Solve linear equations, quadratic equations, equations that are quadratic in form, rational equations, exponential equations, and logarithmic equations
   - Solve polynomial and rational inequalities
   - Determine the domain of polynomial functions, rational functions, root functions, exponential functions, and logarithmic functions
   - Understand the concept of composite functions, one-to-one functions, and inverse functions
   - Use synthetic division, the remainder theorem, the factor theorem, the fundamental theorem of algebra, and the intermediate value theorem to determine the zeros of polynomial functions
   - Sketch the graphs of basic functions using transformations including polynomial functions, root functions, absolute value functions, rational functions, exponential functions, and logarithmic functions
   - Use critical thinking skills to solve word problems which include maximizing/minimizing problems in economics, physics, and geometry

3. **REQUIRED STUDENT MATERIALS**

**MATH 143 SUMMER 2018 COURSE NOTEBOOK:** Must be purchased at the U of I Bookstore. Students will be required to bring this course notebook to class and to the Polya Mathematics Center.

**MyLabsPlus ACCESS CODE:** Students must purchase a MyLabsPlus access code at the U of I Bookstore or purchase a code online using a credit card when registering your homework account.

To use your Access Code, you must do the following:
1. Go to [https://uidaho-mlpui.openclass.com](https://uidaho-mlpui.openclass.com)
2. Sign in. Your username is your U of I email address; i.e., joevandal@vandals.uidaho.edu. Your password will be given to you by your instructor. You are then encouraged to change your password.
3. Click on your course
4. Accept the license agreement, and then enter your Access Code that you purchased at the bookstore, or click “buy now” and use your credit card, or use the temporary access code.
5. You should now be ready to start the course.
STUDENT COMPUTER ACCOUNT: All students need a computer account. If you need help with your login information, go to the ITS Help Desk in TLC 128.

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.

TI 30X IIS REQUIRED CALCULATOR: You will need a calculator to work on some problems from the assignments, quizzes and/or tests. A TI 30X IIS is the only calculator allowed when testing.

4. GRADE CALCULATION

Grades will be weighted as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exams</td>
<td>15%</td>
</tr>
<tr>
<td>Homework</td>
<td>15%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>10%</td>
</tr>
<tr>
<td>Notebook Quizzes</td>
<td>10%</td>
</tr>
<tr>
<td>Polya Time</td>
<td>5%</td>
</tr>
</tbody>
</table>

5. 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 the Center for Disability and Resources located in the Pitman Center, Suite 127 in order to notify your instructor(s) as soon as possible regarding accommodation(s) needed for the course.

- (208) 885-6307
- email at cdar@uidaho.edu
- website at www.uidaho.edu/current-student/cdar

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.

- **TI 30X IIS CALCULATORS** only are allowed on tests, calculators may not be borrowed or shared during the test, and we cannot help you operate your calculator during the test.
- **NO NOTES** of any kind are allowed during tests.
- **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.

Your instructor will supply you with an email contact for the course on the first day of class.
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. 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 )

9. ASSIGNMENT/TEST EXTENSIONS

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. You must bring appropriate documentation to your instructor within two business days of the assignment’s due date, not to exceed Friday, August 3. The length of the extension granted will be determined by the number of days listed on the documentation.

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.)

Field trips and official student travel require preparation and notification in advance of departure. See the catalog for details.
Note that students will be granted only one extension per semester without documentation on a homework assignment or computer quiz. Use your extension wisely. Proper documentation will always be required to make up a test or an in-class notebook quiz.

Problems with your personal computer or internet connection are not grounds for an extension.

10. Summary of Expectations for Student Performance

- Purchase notebook on the first day of class
- Register for software on the first day of class
- Complete every page of the notebook
- Complete homework as outlined in the course calendar
- Check your University of Idaho email at least one time every day
- Be on time and prepared for class and pay attention for the entire class period
- Bring the course notebook to class, with appropriate pages completed for the day
- Accurately complete notebook materials
- Attend the Polya Mathematics Center for 150 minutes (2 ½ hours) each week
- Take each computerized test three times (or until at least 90% is achieved on one of the attempts)
- Take each written test during the designated course period
- Keep track of my grades by using the grade summary sheet distributed on the first day of class
- Maintain Academic Honesty in all my work

11. Summary of Expectations for Instructor

- Be on time and prepared for class
- Be prepared to present upcoming material and answer student questions
- Respond to emails during business hours (Note: It may take more than one day to research and respond to an email. I will check my email at least once during each business day.)
- Establish office and Polya hours
- Be available during designated office and Polya hours
- Grade papers and make them available for student pickup
- Help students with math in the Polya center