



Integrated Mathematics III

Course Syllabus

Instructor Information

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Course Description

Students will continue and extend their studies of Algebra and Geometry of solving and graphing solutions to equations and inequalities, systems of equations and inequalities, quadratic functions, rational expressions and equations, probability and statistics, trigonometric functions. Students will learn about operations with polynomial expressions, imaginary numbers, complex numbers, radicals, conic sections, exponential and logarithmic functions, and sequences and series. ALEKS will be used in correlation with the textbook, with a required amount of time spent each week on core concepts.

Curricular Information

Required Textbook:

Integrated Math 3, McGraw-Hill Education, 2012, ISBN: 978-0-07-663852-9

Online Resources:

Google Classroom - add class through code provided first day of school

ALEKS (<https://www.aleks.com/>)

Supplies:

- #2 pencils or mechanical pencils+lead
- 2-3 spiral notebooks for taking notes in this class
- 1 package of college-ruled lined paper
- 1 package of graph paper
- 1 book cover or brown paper grocery bag
- Ruler (1/16" measure)
- TI-84 Plus (purchase your own or borrow from STEM)
- Erasers
- Red pens
- Earbuds or headphones (wired, to use with school computers)
- 1st period (*optional but appreciated*): Kleenex and Disinfecting wipes

Daily Time and Effort Expectations: One hour per school day is required, in order to earn high school credit. An hour of homework per day is expected. You will be provided with a Pacing Guide to follow. Use the Pacing Guide to budget your time and talk to your teacher about time management. **More than six days of absenteeism per semester will result in loss of credit and may negatively impact the path to graduation.**

Additional Information from the Instructor:

Students in Integrated Mathematics III are encouraged to compete in the NIC Math Contest, held at North Idaho College (TBA, usually held in November).

**Pacing Guide
Semester One**

Chapter 0 (Preparing for Integrated Math 3)	4 weeks
Chapter 1 (Equations and Inequalities)	3.5 weeks
Chapter 2 (Linear Relations and Functions)	3.5 weeks
Chapter 3 (Systems of Equations and Inequalities)	3 weeks
Chapter 4 (Polynomials and Polynomial Functions)	3 weeks
Final Exam Review & Final Exam	1 week

Semester Two

Chapter 5 (Inverses and Radical Functions and Relations)	3 weeks
Chapter 6 (Exponential and Logarithmic Functions)	2.5 weeks
Chapter 7 (Rational Functions and Relations)	2.5 weeks
Chapter 8 (Conic Sections)	3.5 weeks
Chapter 9 (Sequences and Series)	2 weeks
Chapter 10 (Statistics and Probability)	2 weeks
Trigonometric Functions, Identities, and Equations	1 week
Final Exam Review & Final Exam	1 week

This course is fully aligned to the Idaho Core Standards.

Course Evaluation:

The percentage breakdown for evaluation will be as follows:

Daily Work	35%
Concepts & Tests	50%
Semester Exam	15%

Grading Scale

Grade	Percentage	Proficiency descriptors
A+	97-100	<i>Assignments are fully completed in a timely manner and of excellent quality; the student shows superior level of initiative and seeks to <u>go beyond the minimum requirements</u>. Errors are rare or nonexistent.</i>
A	93-96	
A-	90-92	
B+	87-89	<i>Assignments are fully completed in a timely manner and typically of above average quality; the student is conscientious and meets all requirements with few errors.</i>
B	83-86	
B-	80-82	
C+	77-79	<i>Assignments are generally complete (met minimum requirements) and of good quality; assigned tasks have occasional errors.</i>
C	73-76	
C-	70-72	
D+	67-69	<i>Assignments are generally incomplete or of poor quality; the student makes frequent errors in work.</i>
D	63-66	
D-	60-62	
F	0-59	<i>Work is poorly done, if at all. Overall performance is inadequate to pass the course.</i> <i>Note: No name = No credit</i> <i>Illegible = No credit</i> <i>Late = No credit (*will <u>STILL</u> complete and submit the assignment)</i>

Classroom Policies and Expectations: Students are expected to adhere to the classroom rules set by the teacher in their assigned classroom, and in accordance with expectations found in the [Student Handbook](#) and [Technology Policy](#).

Academic Honesty Code of Conduct:

“On my honor, I will maintain the highest possible standards of honesty, integrity, and personal responsibility. This means I will not lie, cheat, or steal, and as a member of this academic community, I am committed to creating an environment of respect and mutual trust.”

Violations of this code include, but are not limited to:

- Copying another person’s work or allowing your work to be copied (plagiarism)

- Allowing someone other than yourself to complete work in your name
- Using unauthorized assistance on an assessment or assignment
- Falsifying or manipulating data
- Submitting the same work for multiple courses without instructor's permission
- Giving answers to other students
- Lying to an instructor
- Tampering with or destroying the work of another student
- Using responses found on the internet, or created with the use of technological means (ex artificial intelligence, etc)

*****Any outside sources used on an assignment should be referenced and cited appropriately.*****

Consequences for Academic Dishonesty: At the instructor's discretion, the student **will** lose partial or full credit for the assignment. The student will be on notice that the incident will be recorded in the gradebook and his/her parent(s) will be informed. Future academic dishonesty incidents will result in a grade of zero for the assignment, a meeting with the principal, and possible loss of credit, suspension, or expulsion. Direct copying is plagiarism. Only original work may be submitted for this (and any other) academic course. If you have any questions about avoiding plagiarism, please visit the [OWL at Purdue's "Avoiding Plagiarism" web page.](#)