

118
Intermediate Algebra
Summer 2012

CRN 50705
Section 105
TR
12:10 – 3:05 p.m.
Room 205

SYLLABUS

Book: Intermediate Algebra by K. Elayn Martin-Gay, Custom edition for the Community College of Philadelphia.

Web Resource: www.coursecompass.com You will get the ID for this web resource when you buy the book.

The complete procedure how to access the Web Resource is described in your book in the message to the Students.

Instructor: Dr. Arkady Kitover.

Email: (the best way to contact me)

akitover@ccp.edu or
akitover@hotmail.com

Web Page: <http://faculty.ccp.edu/FACULTY/akitover>

The web page contains the syllabus for this course and practice tests.

Telephone: (215) 751-8723

Office: NERC - room 327

Office hours: by appointment

Course Outline:

Week #	Sections	Topics and Homework
1	1.1-1.4	Real Numbers (1.1-1.4) . Recommended Homework: Chapter 1 Test, p. 45
2	2.1-2.3	Equations. Recommended Homework: Chapter 2 Test, p. 115 Problems 1-6, 11-13, and 23 -28
3	2.4-2.6	Linear Inequalities; Equations and Inequalities with absolute value. Recommended Homework: Chapter 2 Test, p. 115 Problems 7-10 and 14 – 22. Review 1
4	3.1-3.3	Exam #1 (on Chapters 1 and 2). Begin: Graphs and Functions Recommended Homework: Chapter 3 Test, p. 187 Problems 1-5 and 22-23.

5	3.4 - 3.5	Equations of Straight Lines; Functions and Relations. Recommended Homework: Chapter 3 Test, p. 187 Problems 6,7, and 10 -18.
6	4.1 and 4.3	Systems of Linear Equations. Recommended Homework: Chapter 4 Test, p. 229 (except Problem 10) Review2
7	5.1-5.2	Exponents and scientific notation. Recommended Homework: Chapter 5 Test, p. 311 Problems 1-8. Exam #2 (on Chapters 3 and 4)
8	5.3-5.7	Polynomials. Adding, subtracting, and multiplying polynomials. Dividing and Factoring Polynomials. Recommended Homework: Chapter 5 Test, p. 311 Problems 9 – 24.
9	5.8, 6.1, and 6.2	Polynomials: factoring and solving equations Begin: Rational Expressions. Recommended Homework: Chapter 5 Test, p. 311 Problems 25 – 29. Chapter 6 Test, p. 375 Problems 1-14.
10	6.3-6.6	Rational expressions. Review 3 Recommended Homework: Chapter 6 Test, p. 375 Problems 14-26.
11	7.1, 7.2	Begin: Radical Expressions Exam #3 (on Chapters 5 and 6) Recommended Homework: Chapter 7 Test, p. 441 Problems 1-8.
12	7.3-7.6	Radical Exponents, Radicals and Radical Equations Recommended Homework: Chapter 7 Test, p. 441 Problems 11-24, 31, and 32.
13	8.2	Solving Quadratic Equations by Using the Quadratic Formula. Recommended Homework: Chapter 8 Test, p. 481 Problems 1-7.
14	Review Only	Review for the Final Exam
15	Exam Only	Final Exam

**Tests and Grading: Three tests in class – 100 points each.
Cumulative final – 100 points. The final will be administered in a computer room.
The details about the final will be posted by the department later in the spring.
You will be able to access a practice test for the final approximately 9 weeks after
the semester starts.**

A: 90 -100 % (360 – 400)

B: 80 – 89 % (320 – 359)

C: 70 – 79% (280 – 319)

D: 60 – 69% (240 – 279)

F: 0 – 59%(0 – 239)

**In the fall 2009 the following revision of Math 118 was approved.
All students must take the Mathematics Departmental examination. The
Mathematics Departmental examination shall count for at least 25% of each
student's final grade.**

**A student who does not take the Departmental Final Exam may only be
assigned a grade of F or I (Incomplete). A student cannot receive any other grade
(A, B, C or D) without taking the Departmental Final Exam. If a student, for a
legitimate reason, does not take the final exam, his/her make-up exam should be
scheduled with the Math Department Head, Professor Brent Weber.**

Calculators are not allowed on the final exam.

**The final exam shall combine multiple choice problems and open answer
problems.**

Class Rules:

**The students have to attend all classes. Students missing an equivalent of two weeks
without a valid reason will be dropped from the class.**

No food in the class room.

Put your cell phones in the vibration mode before the class starts.

No use of cell phones is allowed during the tests.