

Corerequisite College Algebra and Trigonometry - MTH 28.5, Sec. D20

Professor: Dr. Luis Fernández

Office & Tel.: CP 301. (718) 289-5100, Ext. 3209.

Class times, room: 10–11:50. Mo, We at CP308, Th at ME205.

Office hours: Mo, We, 3 to 4pm.

Course page: <http://fsw01.bcc.cuny.edu/luis.fernandez01/>

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Some resources for learning

- **Classes:** Attendance is mandatory, and essential to succeed in the class. In class you will have time to learn new material, practice, and ask questions.
- **Free tutoring:** In room CPH 303 there are permanent tutors for all Math courses. Opens 10am to 8pm Monday to Friday, 10am to 3pm weekends. You can also get online tutoring—check in the course webpage.
- **Meetings with the instructor:** If you need help with any part of the course, or for any other matters, please come to my office during office hours (above) or write me an email to set up an appointment in person or online.
- **Emailing the instructor:** If you have questions while doing homework and need help quickly, please email me anytime (address above).

Textbook and materials

- *Intermediate Algebra 2e*, by Lynn Marecek and Andrea Honeycutt Mathis. Free download at OpenStax: <https://openstax.org/details/books/intermediate-algebra-2e>
- *Precalculus* by Jay Abramson. Free download at OpenStax: <https://openstax.org/details/books/precalculus>
- Students may use a 4 function calculator (**not** a scientific calculator) during class and exams.

Students' obligations and responsibilities

- Obtain all the material necessary for the class in the first week.
- Study and learn the material, using any resource to achieve this goal.
- Attend, be on time, be involved, and have an active participation in every class.
- Do and submit all the homework assignments in time.
- Treat peers and instructor in a respectful manner.

Instructor's obligations and responsibilities

- Act as *facilitator* of the learning process of the students, and assist with any question that students may have.
- Give tests and exams of appropriate difficulty. Grade tests and exams promptly and explain the students the meaning of their grades.
- Treat the students respectfully and impartially.

Class Rules

- **Students with 6 absences or more will automatically receive an F (Fail) in the course.** Lateness of 30 minutes or more will count as an absence.
- There will be a break in the middle of each class. Students will be allowed to use cell phones during breaks.
- **Tests will not be repeated.** The only **exception** is if the instructor receives **notice** of the absence (via e-mail, telephone, message, a friend, ...) **on or before the day of the test or quiz.**

Exams and homework

- **Three Midterms:** Each counts **20%**. Only the best two will count, totalling **40%** of the final grade.
- **Homework and quizzes:** Homework will be assigned each day. It is your obligation to **do the homework online via WebWork**, plus the exercises and quizzes assigned in class. It will count **20%** of the final grade.
- **Final exam:** It will count **40%** of the final grade.

AI policy:

Students are allowed to use AI as a tool, but it is not allowed to use it to do homework. If you ask AI to do your homework, you will not learn the material, and you will do poorly in exams. And **note that 80% of your grade will be based on exams.** Consequently, the 20% for homework will not be very helpful to pass the class.

Academic Integrity:

Academic dishonesty (such as plagiarism and cheating) is prohibited at Bronx Community College and is punishable by penalties, including failing grades, dismissal and expulsion. For additional information and the full policy on Academic Integrity, please consult the BCC College Catalog.

Accommodations/Disabilities:

Bronx Community College respects and welcomes students of all backgrounds and abilities. In the event you encounter any barrier(s) to full participation in this course due to the impact of a disability, please contact the disAbility Services Office as soon as possible this semester. The disAbility Services specialists will meet with you to discuss the barriers you are experiencing and explain the eligibility process for establishing academic accommodations for this course. You can reach the disAbility Services Office at: disability.services@bcc.cuny.edu, Loew Hall, Room 211, (718) 289-5874.

Class plan and assigned exercises. MTH 28.5. Professor Luis Fernández

Use this as a guide to find out what is done in each class and what is the homework assigned each day. You will have **one week** for each Webwork assignment.

Date	Section number from text AND WebWork assignment	Assignment from text
	INTERMEDIATE ALGEBRA 2E TEXT	
	Chapter 1 Foundations	
Mo 8/31	1.2 Integers	p.39: 63-66, 71-110, 119-126
	1.3 Fractions	p. 54: 143-166, 173-182, 209-224,229-234
	Chapter 2 Solving Linear Equations	
We 9/2	2.1 Use a General Strategy to Solve Linear Equations	p. 113: 5-26
Th 9/3	2.3 Solve a Formula for a Specific Variable	p. 147: 165-194
Mo 9/7	NO CLASS - LABOR DAY	
We 9/9	2.5 Solve Linear Inequalities	p. 186: 296-317
	Chapter 3 Graphs and Functions	
Th 9/10	3.1 Graph Linear Equations in Two Variables	p. 252: 9-28, 33-68
	3.5 Relations and Functions	p. 328: 299-302, 307-332
	Chapter 5 Polynomials and Polynomial Functions	
Mo 9/14	5.1 Add and Subtract Polynomials	p. 503: 1-28, 33-46, 53-68
We 9/16	5.2 Properties of Exponents and Scientific Notation	p. 528: 81-126, 131-155, 162-173
Th 9/17	5.3 Multiply Polynomials	p. 545: 178-271
	5.4 Dividing Polynomials (only dividing monomials)	p. 560: 288-315
Mo 9/21	NO CLASSES SCHEDULED	
We 9/23	REVIEW.	
Th 9/24	Midterm 1. Chapters 1, 2, 3, 5.	
	Chapter 6 Factoring	
Mo 9/28	6.1 Greatest Common Factor and Factor by Grouping	p. 582: 9-50
We 9/30	6.2 Factor Trinomials	p. 600: 61-130, 135-152
Th 10/1	6.3 Factor Special Products	p. 615: 159-190, 213-220
Mo 10/5	6.4 General Strategy for Factoring Polynomials	p. 625: 233-246, 249-256
We 10/7	6.5 Polynomial Equations	p. 641: 277-326
	Chapter 7 Rational Expressions and Functions	
Th 10/8	7.1 Multiply and Divide Rational Expression	p. 666: 1-24, 29-44, 49, 50
Mo 10/12	NO CLASSES SCHEDULED	
Tu 10/13	7.2 Add and Subtract Rational Expressions	p. 682: 75-142
We 10/14	7.3 Simplify Complex Rational Expressions	p. 695: 151-194
Th 10/15	7.4 Solve Rational Equations	p. 709: 197-230
Mo 10/19	Review. Extra time for chapters 6 and 7.	
We 10/21	REVIEW	
Th 10/22	Midterm 2. Chapters 6, 7	
	Chapter 8 Roots and Radicals	
Mo 10/26	8.1 Simplify Expressions with Roots	p. 771: 1-15, 19-22
We 10/28	8.2 Simplify Radical Expressions	p. 789: 55-65
Th 10/29	8.4 Add, Subtract, and Multiply Radical Expressions	p. 818: 165-168, 183-186, 191-214(a)
Mo 11/2	8.5 Divide Radical Expressions	p. 832: 245, 246, 259-262, 271-282
We 11/4	8.6 Solve Radical Equations	p. 846: 287-304, 315-326
Th 11/5	8.3 Simplify Rational Exponents	p. 805: 119-162
Mo 11/9	8.8 Use the Complex Number System	p. 868: 409-412
	Chapter 9 Quadratic Equations and Functions	
We 11/11	9.3 Solve Quadratic Equations Using the Quadratic Formula	p. 923: 113-136
Th 11/12	9.1 Solve Quadratic Equations Using the Square Root Property	p. 893: 1-30
Mo 11/16	9.2 Solve Quadratic Equations by Completing the Square	p. 909: 75-101
We 11/18	REVIEW	
Th 11/19	Midterm 3. Chapters 8, 9	
	PRECALCULUS TEXT	
	Chapter 5 Trigonometric Functions	
Mo 11/23	5.4 Right Triangle Trigonometry	p. 495: 10-41, 52-56
We 11/25	NO CLASS - THANKSGIVING	
Th 11/26	NO CLASS - THANKSGIVING	
Mo 11/30	5.4 Right Triangle Trigonometry (cont.)	p. 495: 10-41, 52-56
We 12/2	Review. Extra time for chapter 5.	
Th 12/3	Review for the final	
Mo 12/7	Review for the final	