Intermediate Algebra and Trigonometry - MTH 06, Sec. D04 (43968, online)

Professor: Dr. Luis Fernández
Class times and room: Tu, We, Th, 14:00 to 16:00.
Zoom course link: https://gc-cuny.zoom.us/j/6197759191

Course page: http://fsw01.bcc.cuny.edu/luis.fernandez01/
Office hours: Mo 10:00–11:00, We. 10:00–11:00.
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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 the Learning Commons (ME Room SB-05) there are permanent tutors for all Developmental Math courses. Opens 10am to 8pm Monday to Friday, 10am to 3pm weekends.
- **Meetings with the instructor:** If you need help with any part of the course, or for any other matters, please join me in Zoom during office hours (above) or write me an email to set up an appointment.
- **Emailing the instructor:** If you have questions while doing homework and need help quickly, please email me anytime (address above).

Textbook
- *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' 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.

Classroom 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
- **Four tests:** Each counts a **15%** of the final grade. Only the best three will count, totalling **45%** of the final grade.
- **Homework:** It will be assigned each day. It is your obligation to **do the homework online via WebWork**, plus the exercises assigned in class. It will count **20%** of the final grade.
- **Final exam:** It will count **35%** of the final grade.

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 06. 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	
We 8/25	1.2 Integers	**p.39:** 63-66, 71-110, 119-126
Th 8/26	1.3 Fractions	**p. 54:** 143-166, 173-182, 209-224,229-234
	Chapter 2 Solving Linear Equations	
Tu 8/31	2.1 Use a General Strategy to Solve Linear Equations	**p. 113:** 5-26
We 9/1	2.3 Solve a Formula for a Specific Variable	**p. 147:** 165-194
Th 9/2	2.5 Solve Linear Inequalities	**p. 186:** 296-317
Tu 9/7	NO CLASSSES SCHEDULED	
We 9/8	NO CLASSSES SCHEDULED	
Th 9/9	2.7 Solve Absolute Value Inequalities	**p. 211:** 434-489
Tu 9/14	**TEST 1. Chapters 1 and 2.**	
We 9/15	NO CLASSSES SCHEDULED	
Th 9/16	NO CLASSSES SCHEDULED	
	Chapter 3 Graphs and Functions	
Tu 9/21	3.1 Graph Linear Equations in Two Variables	**p. 252:** 9-28, 33-68
We 9/22	3.5 Relations and Functions	**p. 328:** 299-302, 307-332
	Chapter 4 Systems of Linear Equations	
Th 9/23	4.1 Solve Systems of Linear Equations with Two Variables	**p. 390:** 30-35, 46-55
	Chapter 5 Polynomials and Polynomial Functions	
Tu 9/28	5.1 Add and Subtract Polynomials	**p. 503:** 1-28, 33-46, 53-68
We 9/29	5.2 Properties of Exponents and Scientific Notation	**p. 528:** 81-126, 131-155, 162-173
Th 9/30	5.3 Multiply Polynomials	**p. 545:** 178-271
Tu 10/5	Review. Extra time for chapters 3, 4 and 5.	
We 10/6	**TEST 2. Chapters 3, 4, 5**	
	Chapter 6 Factoring	
Th 10/7	6.1 Greatest Common Factor and Factor by Grouping	**p. 582:** 9-50
Tu 10/12	6.2 Factor Trinomials	**p. 600:** 61-130, 135-152
We 10/13	6.3 Factor Special Products	**p. 615:** 159-190, 213-220
Th 10/14	6.4 General Strategy for Factoring Polynomials	**p. 625:** 233-246, 249-256
Tu 10/19	6.5 Polynomial Equations	**p. 641:** 277-326
	Chapter 7 Rational Expressions and Functions	
We 10/20	7.1 Multiply and Divide Rational Expression	**p. 666:** 1-24, 29-44, 49, 50
Th 10/21	7.2 Add and Subtract Rational Expressions	**p. 682:** 75-142
Tu 10/26	7.3 Simplify Complex Rational Expressions	**p. 695:** 151-194
We 10/27	7.4 Solve Rational Equations	**p. 709:** 197-230
Th 10/28	Review. Extra time for chapters 6 and 7.	
Tu 11/2	**TEST 3. Chapters 6, 7**	
	Chapter 8 Roots and Radicals	
We 11/3	8.1 Simplify Expressions with Roots	**p. 771:** 1-15, 19-22
Th 11/4	8.2 Simplify Radical Expressions	**p. 789:** 55-65
Tu 11/9	8.3 Simplify Rational Exponents	**p. 805:** 119-162
We 11/10	8.4 Add, Subtract, and Multiply Radical Expressions	**p. 818:** 165-168, 183-186, 191-214(a)
Th 11/11	8.5 Divide Radical Expressions	**p. 832:** 245, 246, 259-262, 271-282
Tu 11/16	8.6 Solve Radical Equations	**p. 846:** 287-304, 315-326
We 11/17	8.8 Use the Complex Number System	**p. 868:** 409-412
	Chapter 9 Quadratic Equations and Functions	
Th 11/18	9.1 Solve Quadratic Equations Using the Square Root Property	**p. 893:** 1-30
Tu 11/23	9.2 Solve Quadratic Equations by Completing the Square	**p. 909:** 75-101
We 11/24	9.3 Solve Quadratic Equations Using the Quadratic Formula	**p. 923:** 113-136
Th 11/25	NO CLASS (THANKSGIVING)	
Tu 11/30	Review. Extra time for chapters 8 and 9.	
We 12/1	**TEST 4. Chapters 8, 9**	
	PRECALCULUS TEXT	
	Chapter 5 Trigonometric Functions	
Th 12/2	5.1 Angle	**p. 455:** 26-42
Tu 12/7	5.4 Right Triangle Trigonometry	**p. 495:** 10-41, 52-56
We 12/8	Review. Extra time for chapter 5.	
Th 12/9	Review for the final	