

MAT1033C Intermediate Algebra CRN 13072
Fall 2018
Valencia College West Campus

Credit hours: 3

Class times: *Intermediate Algebra course meets Tuesday and Thursday 11:30 am – 12:45 pm in building 7 room 208.*

Lab is located in room 7-241.

INSTRUCTOR INFORMATION:

Name: Ivan Hristov

Email: ihristov@valenciacollege.edu

Office: 5-132 (West Campus)

Phone: (407) 582-2492

Student Engagement/Office hours – These are the times I am available to help you.	
Monday	11:25 am-12:55 pm in my office 5-132 2:25 pm-3:25 pm in my office 5-132 8:00 pm-9:00 pm ONLINE (email at ihristov@valenciacollege.edu)
Tuesday	7:25 am -8:25 am in my office 5-132
Wednesday	7:25 am -8:25 am in my office 5-132 11:25 am-12:55 pm in my office 5-132 8:00 pm-9:00 pm ONLINE (email at ihristov@valenciacollege.edu)
Thursday	7:00 am-8:00 am ONLINE (email at ihristov@valenciacollege.edu)
Friday	7:00 am-10:00 am ONLINE (email at ihristov@valenciacollege.edu)

You can always email me via Canvas as well.

IMPORTANT DATES:

Term Starts: 08/27/18

Class Ends: 12/14/18

Withdrawal for a “W” Grade: 11/9/18

Classes do not meet (no labs or testing center available): 09/03/18, 10/11/18 and 11/21-11/25/18.

Final Examination: Thursday, 12/14/17 from 10:00 am to 12:30 pm in a computer lab that will be reserved.

This syllabus is a contract between the student and the instructor. By enrolling in and then attending this course, the student agrees to and accepts the terms and conditions of this contract. It is the responsibility of the student to carefully read this syllabus/contract in its entirety and to adhere to all policies and procedures within the syllabus.

COURSE DESCRIPTION

Prerequisite : Minimum grade of C in MAT 0022C or MAT 0028C or MAT 0055 or MAT 0056 or appropriate score on approved assessment.

This course presents algebraic skills for MAC 1105. Topics include: linear equations and inequalities in two variables and their graphs, systems of linear equations and inequalities, introduction to functions, factoring, algebraic fractions, rational equations, radicals and rational exponents, complex numbers, quadratic equations, scientific notation, applications of the above topics and the communication of mathematics. Applications emphasizing connections with other disciplines and the real world will be included. 3 credit; 4 contact hours

TEXT AND REQUIRED SUPPLIES:

Required Materials:

ACCESS TO Pearson MyMathlab: Full access to **MyMathlab** must be purchased. The West Campus bookstore has access codes for sale. You can also purchase access directly from **MyMathlab**. When you buy the code you also get the online version of the book too.

Optional TEXT

Intermediate Algebra, 3rd Custom Edition for Valencia (from 7th edition), by Elayn Martin-Gay

Lab Syllabus:

You are provided an electronic copy of the lab syllabus in Blackboard. You will need to print up a full copy of it for use during your required Lab time.

A TI-83/84 plus graphing calculator is required for this course. We will be using a TI-83/84 plus for classroom demonstration. Students are not allowed to borrow or “share” calculators during any in-class examination.

Other TI models and other manufactured brands are acceptable as well, but may not follow the same keystrokes. Mastery of calculator functions will be essential to your success.

Students are NOT permitted to use a calculator that performs symbolic manipulations (such as the TI-89 or TI-92) in this course.

A notebook is recommended to hold notes and assignments. Graph paper may be helpful as well as a straightedge for drawing lines.

CORE COMPETENCIES OF A VALENCIA GRADUATE:

Valencia’s Student Core Competencies are complex abilities that are essential to lifelong success.

This course will help you to develop and demonstrate the abilities to:

- 1) **THINK** clearly, critically, and creatively;
- 2) **COMMUNICATE** with others verbally and in written form;
- 3) Make reasoned **VALUE** judgments and responsible commitments;
- 4) **ACT** purposefully, reflectively, and responsibly.

Due to the nature of these global competencies, many of the problems will be presented in the context of an application. These applications will require students to select appropriate information from the problem and communicate effectively in order to explain and/or describe how the student used the skills they are learning to arrive at an appropriate solution for the problem.

GRADING CALCULATION:

Your final grade will be calculated as follows:

MyMathLab Tests (5 Chapter Tests and a Final)	65%
MyMathLab Homework	15%
Lab	15%
Class Activity	5%

Grading scale

- A: 90 - 100 %**
- B: 80 - 89 %**
- C: 70 - 79 %**
- D: 60 - 69%**
- F: Below 60%**

Homework

Homework will be administered online using Pearson's MyMathlab.

Tests

There will be five Chapter tests and a Comprehensive Final administered on MyMathlab.

Lab Component

- This class has a required lab component that is composed of lab attendance and lab assignment scores.
- This lab is designed to enhance your learning experience as you master the algebraic skills needed to successfully complete MAT 1033C. Each chapter that you learn from your textbook is accompanied by a set of lab assignments.

- Your Lab Grade will be worth 15% of your total course grade. The Lab grade itself is comprised of two components (a) Attendance Requirement, and (b) lab assignment requirement.

Lab Attendance:

- Visit the Math Lab, Math Connections, or Hands-On-Math (bldg. 7, room 241) for specified amount of time per week (plus any additional time needed to complete lab assignments).

Fall & Spring Semesters

Full term: 50 minutes per week

- Be sure to document your time properly on an in-lab computer AND on the “Lab Attendance Recording Sheet” (from the Lab Syllabus).
- Lab Attendance begins during the first week of class and continues until the week before finals.

Lab Assignments:

- Each chapter has a lab assignment that must be completed by the given due date (see course calendar).
- The lab assignments are due the same day as your chapter test is taken in class.
- Print up the Lab Syllabus (found in Blackboard) so you will have all the necessary worksheets.
- Please refer to the Lab Syllabus and MyMathLab for a complete description of how the lab assignments will work. But a short outline of the steps are listed here:
 - *Step 1: Introduction.*
View Icebreaker and Concept Videos/Animations – can be done from home. Log into MyMathLab, click on “Lab Materials and Assignments”, and select the appropriate chapter. These videos relate to the lab, and review concepts that are necessary to know for successfully completing your lab.
 - *Step 2: Lab Worksheet*
Complete the lab worksheet– complete outside of school or while in Math Connections or Hands-on-Math rooms. The worksheets can be found in the Lab Syllabus (in Blackboard) and in MyMathLab under the appropriate chapter.
 - *Step 3: Worksheet Self-Check* –
Complete the worksheet self-check - go to Math Connections or Hands-On-Math. A lab instructor will provide you with an answer key to check your work. A lab instructor will stamp and sign your worksheet once they feel you have successfully completed the them.
This component is graded as complete or incomplete and comprises 50% of the lab assignment grade.
 - *Step 4: Lab Assessment*
Complete the Lab Assessment – complete on a computer using MyMathLab in the Math Lab. Show your stamped and signed worksheets, and a valid ID to a Math Lab Instructor who will then give you access to a password protected Lab Assessment in MyMathLab. No assistance is permitted while taking the assessment.
Once the Lab Assessment is completed, you must ask a Math Center Instructor to

record and initial the respective grade on your worksheets.

You will have 3 attempts to complete this assessment of the required (70%) or desired score. A Math Center Instructor must sign each attempt!

This component is graded by your score on the assessment and comprises 50% of the lab assignment grade.

ATTENDANCE/TARDINESS/WITHDRAWAL POLICY:

The instructor reserves the right to withdraw a student for more than **3 absences**. A student who withdraws from class before the withdrawal deadline of 11/09/18 will receive a grade of “W.” A student is not permitted to withdraw after the withdrawal deadline. Any student who withdraws or is withdrawn from a class during a third or subsequent attempt in the same course will be assigned a grade of “F.” Students who do not withdraw themselves prior to the withdrawal deadline will be assigned whatever grade was earned for the course as their final grade. For a complete policy and procedure overview on Valencia Policy 4-07 please go to:

<http://valenciacollege.edu/generalcounsel/policydetail.cfm?RecordID=75>

MAKEUP POLICY FOR EXAMINATIONS AND ALL OTHER ASSIGNMENTS:

All tests must be taken on or before dates assigned. No makeup tests are available without explicit consent of instructor which will only be granted in case of documented extreme emergency. The final exam must be taken on the date published for final exams.

EXPEXTED STUDENT CONDUCT:

Valencia College is dedicated not only to the advancement of knowledge and learning but is concerned with the development of responsible personal and social conduct.

By enrolling at Valencia College, a student assumes the responsibility for becoming familiar with and abiding by the general rules of conduct. The primary responsibility for managing the classroom environment rests with the faculty. Students who engage in any prohibited or unlawful acts that result in disruption of a class may be directed by the faculty to leave the class. Violation of any classroom or Valencia’s rules may lead to disciplinary action up to and including expulsion from Valencia. Disciplinary action could include being withdrawn from class, disciplinary warning, probation, suspension, expulsion, or other appropriate and authorized actions. You will find the Student Code of Conduct in the current Valencia Student Handbook.

<http://valenciacollege.edu/generalcounsel/policy/documents/8-03-NF-NN-Student-Code-of-Conduct.pdf>

CLASS POLICY:

- **Preparation:** Please be prepared for each class meeting by completing any homework from previous sections and reading the upcoming section(s) in the textbook.
- **Attendance:** Students are expected to attend every class, be punctual, and remain in class for the entire class time. The instructor reserves the right to withdraw a student for having more than three absences. Students are responsible for all work and any announcements presented when they are absent.

- **Class Participation:** Students are encouraged to participate actively and ask pertinent questions during class. Proper classroom etiquette and courteous behavior is expected at all times.
- **Personal Electronic Devices:** Please turn off or silence these devices before you come into class. Unplug yourself and make the most of class time! These devices disrupt your learning as well as the learning of other students. No headphones are to be worn during class time.

ACADEMIC HONESTY: All students are expected to be in compliance with Valencia College's policy on academic honesty as set forth in the admissions catalog and the student handbook. Providing information to another or receiving information concerning exam/test/quiz content is considered cheating and will not be tolerated. Should a student be found to be cheating, the instructor reserves the right to determine the appropriate penalties according to Valencia's policies, which, in most cases, will result in at least an "F" for the course. Note: Copying another's homework is cheating.

<http://valenciacollege.edu/generalcounsel/policy/documents/8-11-NF-NN-Academic-Dishonesty.pdf>

NSF Grant Addendum: I am continually exploring new possibilities that might enhance your learning experience in this course. Throughout the course, there will be five activities worth a small part of your grade. I am collaborating with other math professors at Valencia as well as researchers from the University of Virginia in this research project to improve student learning in our front door courses. These activities are designed to help us understand your attitudes in an effort to assist us on improving future classes for you and other students. This brief video will explain the study and its purpose <https://youtu.be/wv5ZawPf3gA>.

Note to International Students (F-1 or J-1 Visa)

Please be advised that withdrawal from this course due to attendance may result in the termination of your visa status if you fall below the full-time enrollment requirement of 12 credit hours. Contact Valencia's [International Student Services](#) office for more information.

ADDITIONAL HELP: We want you all to succeed in this class. Please do not hesitate to ask for help. I do my best to maintain a timely turnaround on student emails, but please follow the communication protocol as indicated in Blackboard found under "Instructor's Info" Tab to help facilitate this process.

Office of Student Disability Statement: Any student who feels he/she has the need for special adaptations to the learning environment due to a disability is asked to schedule an appointment with the Office for Students with Disabilities, please visit the [Office of Student Disabilities Website](#). Students with disabilities who qualify for academic accommodations must provide a letter from the Office for Students with Disabilities to the professor, preferably during the first week of class. The Office for Students with Disabilities determines accommodations based on appropriate documentation of disabilities.

Tutoring: Math tutoring is available free of charge at each campus. For locations and times, please visit [Learning Support Website](#). Free online tutoring is also available through Smarthinking in Atlas.

VALENCIA'S MATH HELP 24/7:

Valencia Math professors have created pen-casts and videos of common lessons to help you learn the concepts being presented in class. This resource is located at: www.valenciacollege.edu/math/liveScribe.cfm Click on your course to view your lessons. Some lessons have more than one professor's perspective; watch more than one!

SMART THINKING (ONLINE TUTORING):

Smarthinking is a FREE online tutoring tool available to all of Valencia's students, and math tutors are available 24/7. Students can access Smarthinking through the Courses tab in Atlas. Students have an eight hour limit of usage per semester, and therefore Smarthinking is best used as a back up to on-campus services and support, not as a replacement. There are Smarthinking phone applications for both iOS and Android devices.
<http://valenciacollege.edu/east/academicsuccess/onlineTutoring.cfm>

Computer/Equipment Use Policy

Use of computers in the classrooms and departmental open labs at Valencia is restricted to those activities designated by the instructor to enhance the class materials. Any other use is strictly forbidden. Inappropriate use includes, but is not limited to:

- Use of computer to send email or access internet sites not assigned in class,
- Use of computer for job, internship, or homework not assigned in class.
- Modifying any hardware or software system configuration or setting.
- Activities not in accordance with the Valencia Student Code of Conduct.

Computer use is remotely monitored; any student using computers inappropriately may be subject to dismissal from class or banishment from the lab. Subsequent offense may be sent to the campus administration for further disciplinary action.

STUDENT FEEDBACK ON INSTRUCTION:

Near the end of the term, students will receive an invitation through their Valencia ATLAS email account asking them to complete the Student Feedback on Instruction (SFI). This survey provides Valencia College professors with feedback on students' experiences in courses and helps them to continually improve their courses. The results are released only *after* grades are submitted and students' names are *not* included in the results - all responses will be anonymous.

STUDENT ASSISTANCE PROGRAM:

Valencia College has contracted with a private and confidential counseling service (**Bay Care Behavioral Health Student Assistance Program (SAP)**) to provide FREE short-term assistance to students who need to resolve problems that are affecting their college performance. Examples

might include: stress, relationship/family issues, alcohol/drug problems, eating disorders, depression, and gender issues. Students who are experiencing any of these issues and who are enrolled in credit classes at Valencia should call the toll-free number 1-800-878-5470 to speak to a professional counselor. If needed, the counselor may refer the student to appropriate resources or to speak face-to-face with a licensed counselor. For more information, call or visit a Counselor in Student Services on any campus.

FERPA (*Family Educational Rights and Privacy Act*):

FERPA is a Federal law that is administered by the Family Policy Compliance Office (Office) in the U.S. Department of Education (Department). 20 U.S.C. § 1232g; 34 CFR Part 99. FERPA affords students certain rights with respect to their educational records. Valencia College has a firm commitment to protecting the privacy rights of its students. For further information on FERPA see: <http://valenciacollege.edu/ferpa/default.cfm#whatis>

TITLE IX

Valencia College strives to be a place free from all forms of discrimination. Title IX protects students from discrimination based upon sex including protections against sexual violence, domestic violence, and stalking. This also includes protections for students who are pregnant or may become pregnant. If you experience sexual violence, domestic violence or stalking and would like assistance there are several options available to you. Valencia partners with the Victim Service Center of Central Florida which is a confidential resource available 24/7. They can be reached by calling 407-497-6701. If you would like assistance on campus, you can go to valenciacollege.edu/eo or contact Valencia College's Title IX and Equal Opportunity Officer, Ryan Kane, by emailing rkane8@valenciacollege.edu. If you would like to report to law enforcement, you may visit Campus Security or call 911.

Please note that there are no confidential resources on campus. As your professor, I am required to report any information mentioned in this statement to the appropriate campus resources. This will include your name, and detailed information shared with me. We take privacy very seriously at the College and only those who have a legitimate need to know the information will be provided with this information.

If you have more questions about Title IX or the College's response, please visit valenciacollege.edu/eo.

WHAT TO DO IF YOU DO NOT UNDERSTAND OR NEED HELP:

- Review your notes. Rework the examples provided in class.
- Read the textbook. The text is well written and has many examples for you to follow.
- Contact your instructors.
- The West Campus Math Center is in building 7, room 240. It is open from 8:00 a.m. to 8:00 p.m. Monday through Thursday, 8:00 a.m. to 7:00 p.m. Friday, and from 11:00 a.m. to 4:00 p.m. Saturday and Sunday. There you will find Valencia math division staff, peer tutors,

study rooms and other comfortable work areas for study group meetings, computer-based tools as available for your text, and support materials for checkout with your VCC identification card.

- Peer tutors in the Math Center are available for walk-in assistance, no appointment necessary. Peer tutors are available for individual appointments as scheduling and funding permit. Ask for details at the Welcome Desk in the Math Center. Tutors have been trained to use techniques that help you become an independent learner. They have been instructed to guide you through the problem solving process and utilize the materials you have available through your course. They may help you by asking open ended questions, walking you through examples in your text, or (hopefully on rare occasions) using pencil and paper to show you how to solve a problem similar to one you are working on. Since the tutors' goal is to help you become an independent learner, they will let you do the work as much as possible. The learning process requires a regular investment of your time, and patience is the key.

***MAT 1033C – Intermediate Algebra Elayn Martin-Gay
Time Line—Fall 2018—TR Version Custom 3rd edition (from 7th edition)***

<i>Week #</i>	<i>Dates (M-S)</i>	<i>Textbook Sections and Topics</i>	<i>Tue</i>	<i>Thur</i>	<i>Lab Work</i>
1	August 27 – Sept 2	Introductions and Lab Orientations 2.1 Linear Equations 2.2 Problem Solving 2.3 Formulas and Problem Solving	Intro & Lab Intro Diagnostic	Review 2.1 – 2.3 Ch 2 Lab Intro (2.3)	Lab Orientation
2	Sept 3 – 9	2.4 Linear Inequalities 2.5 Compound Inequalities Ch 2 Review 3.1 Graphing Equations	2.4, 2.5	<i>Review Day</i> 3.1	Complete Ch 2 Videos and Worksheets
3	Sept 10 – 16	Ch 2 Exam <i>Lab#1 (Chapter 2) Due Tue, September 11</i> 3.2 Introduction to Functions 3.3 Graphing Linear Functions	<i>Chapter 2 Exam</i>	3.2, 3.3	Complete Ch 2 Lab Assessment
4	Sept 17 – 23	3.4 The Slope of a Line 3.5 Equations of Lines	3.4	3.5 Ch 3 Lab Intro (3.2-3.5)	Complete Ch 3 Videos and Worksheets
5	Sept 24 – 30	3.7 Graphing Linear Inequalities Ch 3 Review Ch 3 Exam <i>Lab #2 (Chapter 3) Due Thursday, September 27</i>	3.7 <i>Review Day</i>	<i>Chapter 3 Exam</i>	Complete Ch 3 Lab Assessment
6	October	5.5 - 5.6 Review– Factoring Polynomials	Review of 5.5-	6.1, 6.2	Complete Ch 6

	1 – 7	5.7 Factoring by Special Products 6.1 Multiplying & Dividing Rational Expressions 6.2 Adding & Subtracting Rational Expressions	5.6 5.7		Videos
7	October 8 – 14	6.3 Simplifying Complex Fractions 6.4 Dividing Polynomials: Long	6.3, 6.4	<i>College Night No Classes</i>	Begin Ch 6 Worksheets
8	October 15- 21	6.5 Solving Equations with Rational Expressions 6.6 Rational Equations & Problem Solving Ch 6 Review	6.5, 6.6 Ch 6 Lab Intro (6.6)	<i>Review Day</i>	Complete Ch 6 Worksheets

Labor Day (National Holiday) -- Monday, September 3, 2018 (Week #2)

College Night (No Classes) – Thursday, October 11, 2018 (Week #7)

9	October 22 – 28	Ch 6 Exam Lab #3 (Chapter 6) Due Tuesday, October 23 5.1 - 5.2 Review– Exponents & Scientific Notation 7.1 Radicals and Radical Functions 7.3 Simplifying Radical Expressions	Chapter 6 Exam	Review of 5.1-5.2 7.1, 7.3 Ch 7 Lab Intro (7.3, 7.6)	Complete Ch 6 Lab Assessment
10	Oct 29 - Nov 4	7.4 Adding, Subtracting & Multiplying Rational Expressions 7.5 Rationalizing Denominators and Numerators of Rational Expressions 7.6 Radical Equations and Problem Solving	7.3, 7.4	7.5, 7.6	Complete Ch 7 Videos
11	Nov 5 – 11	7.7 Complex Numbers 7.2 Rational Exponents Ch 7 Review	7.7, 7.2	Review	Complete Ch 7 Worksheets
12	Nov 12 – 18	Ch 7 Exam Lab #4 (Chapter 7) Due Tuesday, November 13 5.8 Solving Equations by Factoring 8.1 Solving Quadratic Equations by Completing the Square 8.2 Solving Quadratic Equations using the Quadratic Formula	Chapter 7 Exam	5.8, 8.1, 8.2 Ch 8 Lab Intro (8.1, 8.2, 8.6)	Complete Ch 7 Lab Assessment
13	Nov 19 - 25	8.5 Quadratic Functions and Their Graphs 8.6 Further Graphing of Quadratic Functions	8.5, 8.6	Holiday No Classes	Complete Ch 8 Videos and Worksheets
14	Nov 26 - Dec 2	Ch 8 Review Ch 8 Exam Lab #5 (Chapter 8) Due Thur, November 29	Review Day	Chapter 8 Exam	Complete Ch 8 Lab Assessment
15	Dec 3 – 9	4.1 Solving Systems of Linear Equations in Two Variables and their applications 4.3 Systems of Linear Equations and Applications Lab #6 (4.1, 4.3) Due Thursday, December 6	4.1, 4.3 Ch 4 Lab Intro (4.1)	Review Day	Complete entire Ch 4 Lab (videos, worksheets, and assessment)
Finals Week	Dec 10 – 16	Final Exams			No Lab Time Required

***** This schedule is subject to change at any time by your instructor *****

Thanksgiving Break (No Classes) – November 21 – 25, 2018 (Week #13)

DISCLAIMER:

Changes in the syllabus, schedule, evaluation procedures, and/or homework assignments may be made at any time at the discretion of the professor. If you are absent, it is **your** responsibility to find out what, if any, announcements or changes have been made.