IMPERIAL VALLEY COLLEGE

Basic Course Information

Semester:	**Fall 2022**	Instructor Name:	**Jill Nelipovich**
Course Title & #:	**Math 091 – Intermediate Algebra**	Email:	**Jill.nelipovich@imperial.edu**
CRN #:	**10043**	Webpage (optional):	**canvas**
Classroom:	**2735**	Office #:	**2768**
Class Dates:	**08.15.22 – 12.09.22**	Office Hours:	**MW: 7:30 – 8:00 a.m. (2722)** **MW: 2:00 – 2:30 p.m. (2768)** **Email me if you want to zoom at this time **TR: 8:30 – 9:30 a.m. (Zoom)**
Class Days:	**MW**	Office Phone #:	**760-355-6297 (cell phone in canvas)**
Class Times:	10:15 – 12:45	Emergency Contact:	**Silvia Murray 760-355-6201**
Units:	5	Class Format:	In person learning! YAY!

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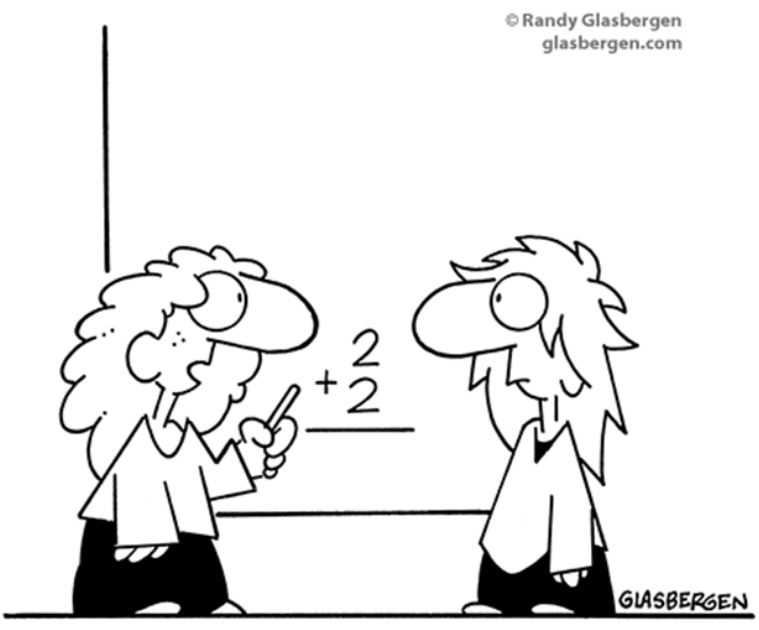
Welcome Students! The Summer semester will be fun – we actually get to meet IN PERSON! YAY! The benefit to in person learning is HUGE! I want to see you succeed in this class and your next class and at the university!

Your first assignment – eat healthy, take your vitamins and exercise frequently! Keep your immune system healthy and strong.



"First they build up your confidence with simple addition and subtraction, then they slam you with algebra and calculus. It's quite a clever scheme."

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Course Description

Welcome to the ***wonderful world of algebra***! Hopefully you have had some in-person mathematics courses as of recently. If you were an online learner – you may have some catching up to do. Results across the nation have shown that online learning has not been as academically prosperous as in-person learning. If you need to re-learn some of the mathie stuff you learned before, now is the time to do it! Make sure you allot extra time to ensure you learn the material well and you succeed at the university 😊 Please do not let the "boringness" of algebra distract you. The reasoning skills you develop are advantageous in most all fields.

A further study of the concepts of algebra. Topics covered include linear and quadratic equations, relations, functions and graphs,systems of equations, logarithmics and exponential functions, conic sections, and sequences and series. (Nontransferable, AA/AS degree only)

Course Prerequisite(s) and/or Corequisite(s)

None

Student Learning Outcomes

Upon course completion, the successful student will have acquired new skills, knowledge, and or attitudes as demonstrated by being able to:

1. Demonstrate problem solving strategies by identifying an appropriate method to solve a given problem, correctly set up the problem, perform the appropriate analysis and computation, and share their interpretation of the conclusion or the outcome, using correct grammar or in an oral presentation. This outcome will be assessed through selected exercises on exams throughout the semester.

Course Objectives

Upon satisfactory completion of the course, students will be able to:

1. demonstrate an understanding of radical expressions and equations.
2. demonstrate an ability to solve applications, inequalities and absolute value inequalities.
3. demonstrate and understanding of quadratic functions, including graphing and equations.
4. demonstrate and understanding of functions and relations, including one to one functions.
5. demonstrate and understanding of logorithmic and exponential functions and their graphs.
6. classify and graph ellipses, parabolas, and hyperbolas.
7. demonstrate an understanding of sequences and series and their operations.

Textbooks & Other Resources or Links

Developmental Mathematics, 1E by Blitzer, Pearson

Or

MyMathLab

(I will explain in class)

And

Scientific calculator.

Course Requirements and Instructional Methods

Projects: There will be projects assigned throughout the semester. The projects are designed to help you think more deeply about solving math problems. You are expected to work as a group. One paper per group should be turned in.

Quizzes: Quiz questions may come directly from your homework or will be similar to your homework problems. Canvas quizzes will be either multiple choice or fill in the blank. For each test, I would like you to turn in a notebook (or neatly stapled papers of the same size) with the work from your homework quizzes for that chapter. If this is not done, you will not receive the credit for your homework quizzes. I know how easy it is to get outside assistance. If you use apps for your homework, use them only to check your work, not do your work. It is your responsibility to embrace the productive struggle necessary to be successful as a college student.

Exams: There are six tests in the semester where you are given the opportunity to share your knowledge and what you have learned.

The exams must be done in person. No make-up tests. No test will be dropped. If you should miss an exam, there will be one make-up test at the end of the semester. I find this to be the only fair way to ensure I can get test results returned in reasonable time frame for your peers.

Final Exam: The final exam is cumulative.

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Course Grading Based on Course Objectives

Group Projects ….……..7%

Homework Quizzes/Quizzes……..……8%

Tests (6) ……..60%

Final…….……25%

To be assured the grade you want to earn:

A: $90\% \leq x$

B: $80\% \leq x < 90\%$

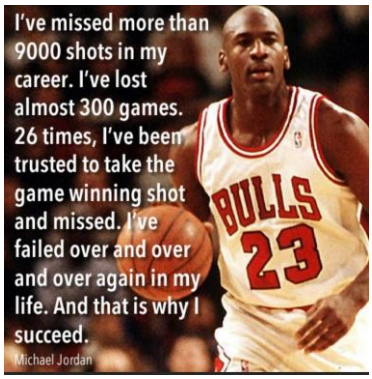
C: $70\% \leq x < 80\%$

D: $60\% \leq x < 70\%$

F: $60\% > x$

Course Policies

1. Have a lot of fun! Learning is no fun if you stress about learning! Always have a positive attitude. Stop, think, and relax! Allow your mind to be creative, give yourself permission to fail and embrace your success!



2. Come to class AND participate in class! It doesn't do you, your peers or myself any good if you are texting throughout class and your mind is concentrated on your weekend rather than "the now".
3. Do a little bit of work each and every day. 1% improvement each day equates to a lot of time spent learning (learning is different than studying) – it is productive studying!
4. Show up on time, prepared and ready to learn, In zoom class, I do not like talking to myself. Respond, ask questions and slow me down, if necessary. Participate in zoom class – don't just have the zoom on. Be responsible for your own learning.
5. Do your homework – and keep your homework organized and neat and legible. Bring your homework with you to class.
6. Due to state policy, we may not bring children to class.
7. Work together in study groups. It's amazing how much better students do when the collaborate.
8. Use our embedded tutor. She is there to help you. I am available most evenings, Friday, Saturday and Sunday on zoom.

Other Course Information

Last Day to add: 08/27/22

Last Day to Drop with a W: 08/28/22

IVC Student Resources

IVC wants you to be successful in all aspects of your education. For help, resources, services, and an explanation of policies, visit http://www.imperial.edu/studentresources or click the heart icon in Canvas.

Anticipated Class Schedule/Calendar

Date or Week	Activity, Assignment, and/or Topic	Projects – in class Quizzes – on canvas
August 15	Syllabus, 14.1	
August 17	14.2, 14.3	
August 22	14.4	
August 24	Review	
August 29	Exam 1 – Chapter 14	
August 31	15.1, 15.2	
September 5	Holiday	
September 7	15.3, 15.4	
September 12	Review	
September 14	Exam 2	
September 19	16.1, 16.2	
September 21	16.3, 16.4	
September 26	16.5, 16.6	
September 28	16.7, Review	
October 3	Exam 3	
October 5	17.1, 17.2	
October 10	17.3, 17.4	
October 12	17.5	
October 17	Review	
October 19	Exam 4	
October 24	18.1, 18.2	
October 26	18.3, 18.4	
October 31	18.5	
November 2	Review	
November 4	Exam 5	
November 7	19.1, 19.2	
November 9	19.3, 19.4	
November 14	19.5, Review	
November 16	Exam 6	
November 21	Holiday	
November 23	Holiday	
November 28	20.1, 20.2	
November 30	20.3, Review	
December 5	Final Exam	
December 7		

*****Subject to change without prior notice*****

Recommended Homework Problems:

Date or Week	Activity, Assignment, and/or Topic	Guidelines to have completed
Chapter 14 MyMathLab Or Bookwork	14.1: 1 – 23 odd, 33 14.2: 1 – 47 odd, 51 – 54 all 14.3: 1 – 49 odd, 63 14.4: 1 – 49 odd, 55, 61	