IMPERIAL VALLEY COLLEGE

Basic Course Information

Semester:	**Fall 2023**	Instructor Name:	**Zhong Hu**
Course Title & #:	**Math 122**	Email:	**Zhong.hu@imperial.edu**
CRN #:	**11095**	Webpage (optional):	
Classroom:	**2725**	Office #:	**2760.1**
Class Dates:	**8/14/23 – 12/9/23**	Office Hours:	**MW: 9:10 am to 10:10 am (in zoom)** **TR: 9:10 am to 10:10 am (In my office 2760.1)**
Class Days:	**MW**	Office Phone #:	**760-355-6355**
Class Times:	1 pm to 2:25 pm	Emergency Contact:	**Email me**
Units:	3	Class Format/Modality:	In Person on Campus

Course Description

Finite Mathematics satisfies the mathematics general education requirement and is transferable. Topics included in this course are: mathematics of finance, linear processes, combinatorics, probability, matrices, linear programming. Additional topics that may be selected by the instructor include: statistics, logic, game theory, Markov Chains. (CSU/UC)

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

Appropriate placement as defined by AB705 or successful completion of Intermediate Algebra.

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 basic ideas of linear equations and inequalities and their graphs. 2. Demonstrate an understanding of systems of equations, methods of solution, and elementary matrix algebra. 3. Demonstrate an understanding of the basics of the linear programming problem and its graphical solution. 4. Demonstrate an understanding of set theory and the principles of combinatorics. 5. Demonstrate an understanding ofthe application of counting to compute probabilities. 6. Demonstrate an understanding of introductory descriptive statistics. 7. Demonstrate an ability to use the concepts of the mathematics of finance. 8. Demonstrate an ability to use the concepts taught in the additional topics

IMPERIAL VALLEY COLLEGE

Textbooks & Other Resources or Links

CALCULATOR: A scientific calculator is required.
Textbook: (not required) Finite Mathematics; Lial, Greenwell, Ritchery. Pearson ISBN: 9780137342549

Course Requirements and Instructional Methods

Homework

Homework will be assigned at each class meeting. They should be on stapled arranged in the correct order. Please write your name and section number on the top right corner. It is your responsibility to check the homework assignment even if you are absent.

Homework will be due by the date of each test.

Or

You can do homework using MyMathLab (registration instructions at the last page).

The Course ID is hu27836

Quiz/Pop-quiz/Group Work

A quiz or group work may be given at any time during any class period. It may not be announced. The number of quizzes or group work in the semester will be instructor's discretion. The purpose is to provide a feedback on the learning outcome. The lowest scores will be dropped.

Tests

There will be three tests. The purpose of these tests is to check your understanding of the concepts covered in the course. Most of the questions on these tests will require showing a significant amount of work. A correct answer with insufficient work will receive partial credit or no credit.

*Bring your own papers and pens/pencils on test days.

Final Exam

At the end of the semester, a COMPREHENSIVE/CUMULATIVE Final Exam will be given. If you miss the final, it will be recorded as a zero.

Out of Class Assignments: The Department of Education policy states that one (1) credit hour is the amount of student work that reasonably approximates not less than one hour of class time and two (2) hours of out-of-class time per week over the span of a semester. WASC has adopted a similar requirement.

Course Grading Based on Course Objectives

Grading Policy

(Pop) Quiz /Group Work	10%
Homework	10%

Updated 6/2023

Tests	60%
Final Exam	20%
Total	100%

Grading Scale for determining the final grade

A: 90%-100%
B: 80%-89%
C: 70%-79%
D: 60%-69%
F: 0%-59%

Academic Honesty (Artificial Intelligence -AI)

IVC values critical thinking and communication skills and considers academic integrity essential to learning. Using AI tools as a replacement for your own thinking, writing, or quantitative reasoning goes against both our mission and academic honesty policy and will be considered academic dishonesty, or plagiarism unless you have been instructed to do so by your instructor. In case of any uncertainty regarding the ethical use of AI tools, students are encouraged to reach out to their instructors for clarification.

Course Policies

Attendance and drop Policy You must attend the first day of class or you will be dropped from the course as a 'No Show.' Should readmission be desired, the student's status will be the same as that of any other student who desires to add a class. Regular attendance in all classes is expected of all students. A student whose continuous, unexcused absences exceed the number of hours the class is scheduled to meet per week may be dropped. It is the student's responsibility to drop or officially withdraw from the class

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

WEEK	TOPIC

IMPERIAL VALLEY COLLEGE

1	Course Syllabus Chapter 1
2	Chapter 1
3	Chapter 2
4	Chapter 2
5	Review for Test 1 and Test 1
6	Chapter 3
7	Chapter 3 and 4
8	Chapter 4
9	Review for Test 2 and Test 2
10	Chapter 5
11	Chapter 7
12	Chapter 8
13	Chapter 9
14	Review for Test 3 and Test 3
15	No Class
16	Review for Final
17	Final Exam

Subject to change without prior notice

IMPERIAL VALLEY COLLEGE

Pearson | MyLab | Math

Student Registration Instructions

To register for Finite Math (Zhong Hu):

1. Go to https://mlm.pearson.com/enrollment/hu27836
2. Sign in with your Pearson student account or create your account.

   For Instructors creating a Student account, do not use your instructor credentials.
3. Select any available access option, if asked.
   - » Enter a prepaid access code that came with your textbook or from the bookstore.
   - » Buy instant access using a credit card or PayPal.
   - » Select **Get temporary access without payment for 14 days**.
4. Select **Go to my course**.
5. Select **Finite Math (Zhong Hu)** from My Courses.

If you contact Pearson Support, give them the course ID: hu27836

To sign in later:

1. Go to https://mlm.pearson.com
2. Sign in with the same Pearson account you used before.
3. Select **Finite Math (Zhong Hu)** from My Courses.