



Basic Course Information

| | | | |
|-------------------|-------------------------------|---------------------|---------------------------------|
| Semester: | Fall 2021 | Instructor Name: | Zhong Wen Hu |
| Course Title & #: | Math 871 | Email: | Zhong.hu@imperial.edu |
| CRN #: | 12056 | Webpage (optional): | Imperial.instructure.com |
| Classroom: | 403 | Office #: | 2760.1 |
| Class Dates: | 9/13/2021 – 12/11/2021 | Office Hours: | MTWR: 1 pm to 2 pm |
| Class Days: | MW | Office Phone #: | 760-355-6355 |
| Class Times: | 11:20 am to 12:35 pm | Emergency Contact: | Email me |
| Units: | 2 | Class Format: | |

Course Description

An introduction to the mathematical concepts needed for further study in Algebra. Topics covered will include the real number system, variable expressions, solving equations, measurement and conversions, and geometry

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 or exams throughout the semester. (ILO1, ILO2)

Course Objectives

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

1. Perform arithmetic operations on real numbers.
2. Perform operations on variable expressions
3. Solve linear equations
4. Solve application problems involving percent
5. Apply relevant formulas in application problems involving a variety of geometry figures.

Textbooks & Other Resources or Links

No textbooks will be required for the course.

You can view the ebook online below:

<https://assets.openstax.org/oscms-prodcms/media/documents/Prealgebra2e-WEB.pdf>

Download PDF: The book will also be available as a PDF download (in Canvas).

Course Requirements and Instructional Methods

This class provides the opportunities for students who want to learn or to brush up on the pre-algebra skills before taking on the higher-level math courses. Therefore, the contents of this course consists of:

- Lectures and Discussions: See anticipated class schedule/calendar section for details.
- Assignments: Students will complete class assignments on Canvas.
- Quizzes: 5 quizzes that reflect on the class materials. Students may use their class notes during all of the quizzes.

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

Pass/No Pass only. In order to pass you need to score at least 70% overall in all quizzes.

Course Policies

- A student who fails to attend the first meeting of a class or does not complete the first mandatory activity of an online class will be dropped by the instructor as of the first official meeting of that class. Should readmission be desired, the student's status will be the same as that of any other student who desires to add a class. It is the student's responsibility to drop or officially withdraw from the class. See [General Catalog](#) for details.
- 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. For online courses, students who fail to complete required activities for two consecutive weeks may be considered to have excessive absences and may be dropped.
- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as 'excused' absences.

What does it mean to "attend" an online class?

Attendance is critical to student success and for IVC to use federal aid funds. Acceptable indications of attendance are:

- Student submission of an academic assignment
- Student submission of an exam
- Student participation in an instructor-led Zoom conference
- Documented student interaction with class postings, such as an interactive tutorial or computer-assisted instruction via modules
- A posting by the student showing the student's participation in an assignment created by the instructor



- A posting by the student in a discussion forum showing the student's participation in an online discussion about academic matters
- An email from the student or other documentation showing that the student has initiated contact with a faculty member to ask a question about an academic subject studied in the course.

Logging onto Canvas alone is NOT adequate to demonstrate academic attendance by the student.

Other Course Information

Last day to add the class: Saturday 9/15/2021

Last day to withdraw from the class with a "W": Saturday 11/10/2021

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 |
|------|--|
| 1 | Course Syllabus Perform arithmetic operations on real numbers |
| 2 | Perform arithmetic operations on real numbers |
| 3 | Perform operations on variable expressions. Quiz # 1 |
| 4 | Perform operations on variable expressions |
| 5 | Perform operations on variable expressions |
| 6 | Solve linear equations Quiz# 2 |
| 7 | Solve linear equations |
| 8 | Solve linear equations |
| 9 | Solve application problems involving percent Quiz#3 |
| 10 | Apply relevant formulas in application problems involving a variety of geometry figures Quiz# 4 |



| | |
|-----------|--|
| 11 | No Class |
| 12 | Apply relevant formulas in application problems involving a variety of geometry figures |
| 13 | Quiz#5 |

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