Math 117
Introduction to Mathematics for Business and Economics

4.0 Units Spring 2024 MWF 12:00-12:50 pm

Location: SGM 601

Instructor: Aykut Arslan Contact: aarslan@usc.edu
Office: KAP 424-B
Office Hrs (tentative): Monday 4:00 – 5:30 (in-person and online), Tuesday 11:00 - 12:30 (online only)
TA: Sandra Lara Galindo Contact: laragali@usc.edu

Course Description
This course introduces the basic concepts of functions and graphs, including polynomials and rational functions as well as exponential and logarithmic functions. We will also cover systems of linear equations and matrices.

Learning Objectives
The goal of this course is to introduce students to the basic concepts of functions that can be used to model and solve real world phenomena and problems that arise in business and economics.

Prerequisite(s): Math 040

Required Readings and Supplementary Materials
Required: Precalculus, Version \(\lceil \pi \rceil = 3\), Corrected Edition by Carl Stitz and Jeff Zeager
Freely available online at http://stitz-zeager.com/.

Description and Assessment of Assignments
Students are expected to complete regular problem sets that reinforce topics covered.
There will be in-class assessments on Jan 31, Feb 28, and March 20 and a final on Friday May 3 between 11am-1pm.

Grading Breakdown

<table>
<thead>
<tr>
<th>Assignment</th>
<th>% of Grade</th>
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<tbody>
<tr>
<td>Homework</td>
<td>10%</td>
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<tr>
<td>Assessment 1</td>
<td>20%</td>
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<tr>
<td>Assessment 2</td>
<td>20%</td>
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<tr>
<td>Assessment 3</td>
<td>20%</td>
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<tr>
<td>Final Exam</td>
<td>30%</td>
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Assignment Submission Policy
Homework will be posted on Blackboard is to be submitted via Gradescope.

Additional Policies
Each Assessment will be administered once in lecture and twice as a Re-Assessment in discussion. Any student may choose to re-assess a previously taken exam. The recorded score for the Assessment will be the highest score attained on any of the three opportunities to take that assessment.
Statement on Academic Conduct and Support Systems

Academic Conduct:

Plagiarism – presenting someone else’s ideas as your own, either verbatim or recast in your own words – is a serious academic offense with serious consequences. Please familiarize yourself with the discussion of plagiarism in SCampus in Part B, Section 11, “Behavior Violating University Standards”. Other forms of academic dishonesty are equally unacceptable. See additional information in SCampus and university policies on Research and Scholarship Misconduct.

Students and Disability Accommodations:

USC welcomes students with disabilities into all of the University’s educational programs. The Office of Student Accessibility Services (OSAS) is responsible for the determination of appropriate accommodations for students who encounter disability-related barriers. Once a student has completed the OSAS process (registration, initial appointment, and submitted documentation) and accommodations are determined to be reasonable and appropriate, a Letter of Accommodation (LOA) will be available to generate for each course. The LOA must be given to each course instructor by the student and followed up with a discussion. This should be done as early in the semester as possible as accommodations are not retroactive. More information can be found at osas.usc.edu. You may contact OSAS at (213) 740-0776 or via email at osasfrontdesk@usc.edu.

Support Systems:

Counseling and Mental Health - (213) 740-9355 – 24/7 on call
studenthealth.usc.edu/counseling
Free and confidential mental health treatment for students, including short-term psychotherapy, group counseling, stress fitness workshops, and crisis intervention.

National Suicide Prevention Lifeline - 1 (800) 273-8255 – 24/7 on call
suicidepreventionlifeline.org
Free and confidential emotional support to people in suicidal crisis or emotional distress 24 hours a day, 7 days a week.

Relationship and Sexual Violence Prevention Services (RSVP) - (213) 740-9355(WELL), press “0” after hours – 24/7 on call
studenthealth.usc.edu/sexual-assault
Free and confidential therapy services, workshops, and training for situations related to gender-based harm.

Office for Equity, Equal Opportunity, and Title IX (EEO-TIX) - (213) 740-5086
eeotix.usc.edu
Information about how to get help or help someone affected by harassment or discrimination, rights of protected classes, reporting options, and additional resources for students, faculty, staff, visitors, and applicants.

Reporting Incidents of Bias or Harassment - (213) 740-5086 or (213) 821-8298
usc-advocate.simplicity.com/care_report
Avenue to report incidents of bias, hate crimes, and microaggressions to the Office for Equity, Equal Opportunity, and Title for appropriate investigation, supportive measures, and response.

The Office of Student Accessibility Services (OSAS) - (213) 740-0776
osas.usc.edu
OSAS ensures equal access for students with disabilities through providing academic accommodations and auxiliary aids in accordance with federal laws and university policy.
USC Campus Support and Intervention - (213) 821-4710
campusupport.usc.edu
Assists students and families in resolving complex personal, financial, and academic issues adversely affecting their success as a student.

Diversity, Equity and Inclusion - (213) 740-2101
diversity.usc.edu
Information on events, programs and training, the Provost's Diversity and Inclusion Council, Diversity Liaisons for each academic school, chronology, participation, and various resources for students.

USC Emergency - UPC: (213) 740-4321, HSC: (323) 442-1000 – 24/7 on call
dps.usc.edu, emergency.usc.edu
Emergency assistance and avenue to report a crime. Latest updates regarding safety, including ways in which instruction will be continued if an officially declared emergency makes travel to campus infeasible.

USC Department of Public Safety - UPC: (213) 740-6000, HSC: (323) 442-120 – 24/7 on call
dps.usc.edu
Non-emergency assistance or information.

Office of the Ombuds - (213) 821-9556 (UPC) / (323-442-0382 (HSC)
ombuds.usc.edu
A safe and confidential place to share your USC-related issues with a University Ombuds who will work with you to explore options or paths to manage your concern.

Occupational Therapy Faculty Practice - (323) 442-3340 or otpf@med.usc.edu
chan.usc.edu/otfp
Confidential Lifestyle Redesign services for USC students to support health promoting habits and routines that enhance quality of life and academic performance.