

MATH 040x: Basic Mathematical Skills

Units: 4.0

Spring 2020 • Monday–Friday • 9:00–9:50am

Location: KAP 167

Instructor: Peter Kagey

Office Hours: Every weekday from 8–8:50 and Thursday from 4–5.

Location: KAP 403

Email address: kagey@usc.edu

Email policy: I will try to respond to emails immediately on Monday–Friday from 8am–6pm. Please follow up if you do not get a response within one business day.

Personal cell phone: 503.810.6537 (please use email, except in urgent situations)

Teaching Assistant: Thejani Gamage

Office Hours: Monday 1–3pm, Tuesday 10–11am, Wednesday 12–2pm.

Location: Math Center (KAP 263)

Email address: gamage@usc.edu

Text

Intermediate Algebra by Elayn Martin-Gay

ISBN-13: 978-0134196176

Course Description

This course is intended to be a review of algebra, including but not limited to: real numbers, linear equations and inequalities, functions, graphs, systems of equations, exponents, polynomials, factoring, rational expressions, radicals, quadratic equations and solutions.

Learning Objectives

This course should help develop the mathematical skills necessary to prepare students for MATH 108g (Contemporary Precalculus), MATH 114xg (Foundations of Statistics), and MATH 117g (Introduction to Mathematics for Business and Economics)

Description and Assessment of Assignments

Homework will be assigned on a weekly basis, and will be discussed during the Tuesday/Thursday discussion sections.

Grading Breakdown

Participation will be based on asking or answering at least one question each week during lecture or discussion.

Assessment	% of Grade
Participation	15%
Homework	50%
Quizzes	15%
Midterm	10%
Final	10%
TOTAL	100%

Grading Scale

This class is graded CR/NC (credit or no credit). Students will receive a CR if they receive a 60% or above.

Assessment Due Dates

Weekly homework will be collected in lecture on Friday, and quizzes will occur on Tuesdays at the end of discussion. There will be no quizzes or homework during weeks that an exam is scheduled.

Assignment Submission Policy

Homework deadline extensions are possible upon arrangement with me up to 3 times a semester, and at most once per HW. If you decide to request an extension from me, there will be no grading penalty if the HW is submitted within a couple days—I'll set a more precise deadline each request. *Beyond this, late homework will not be accepted.*

Grading Timeline

Homework, quizzes, and exams should be graded within one week of their due dates.

Additional Policies

The two lowest homework scores and two lowest quiz scores will be dropped. Please let me know if you will be absent from lecture or discussion. All students are allowed to re-take quizzes in office hours within two weeks of when they receive their quizzes back. Students who missed a quiz due to an unexcused absence will not be allowed to take that quiz in office hours.

Online resources

- [Khan Academy](#) contains videos related to every topic that we will be covering in this course.
- [WolframAlpha](#) is a powerful online calculator, with support for algebra.

Course Schedule: A Weekly Breakdown

	Topics/Daily Activities	Deliverables
Week 1	Introduction	Class Survey
Week 2	Real Numbers	Midterm Preview
Week 3	Linear equations	Homework
Week 4	Inequalities	Homework
Week 5	Functions	Homework
Week 6	Graphs	Homework
Week 7	Systems of equations	Corrected Preview + Midterm Exam
Week 8	Exponents/scientific notation	Final Exam Preview
Week 9	Radicals	Homework
Spring break		
Week 10	Polynomials/Rational expressions	Homework
Week 11	Factoring/Quadratic equations	Homework
Week 12	Geometry	Homework
Week 13	Combinatorics	Homework
Week 14	Special Topics	Homework
Week 15	Review	USC Learning Experience Evaluation
FINAL	Friday, May 8th 8–10am	

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”

policy.usc.edu/scampus-part-b. Other forms of academic dishonesty are equally unacceptable. See additional information in SCampus and university policies on scientific misconduct, policy.usc.edu/scientific-misconduct.

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 and 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 of Equity and Diversity (OED)- (213) 740-5086 | Title IX – (213) 821-8298

equity.usc.edu, titleix.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. The university prohibits discrimination or harassment based on the following *protected characteristics*: race, color, national origin, ancestry, religion, sex, gender, gender identity, gender expression, sexual orientation, age, physical disability, medical condition, mental disability, marital status, pregnancy, veteran status, genetic information, and any other characteristic which may be specified in applicable laws and governmental regulations. The university also prohibits sexual assault, non-consensual sexual contact, sexual misconduct, intimate partner violence, stalking, malicious dissuasion, retaliation, and violation of interim measures.

Reporting Incidents of Bias or Harassment - (213) 740-5086 or (213) 821-8298

usc-advocate.symplicity.com/care_report

Avenue to report incidents of bias, hate crimes, and microaggressions to the Office of Equity and Diversity | Title IX for appropriate investigation, supportive measures, and response.

The Office of Disability Services and Programs - (213) 740-0776

dsp.usc.edu

Support and accommodations for students with disabilities. Services include assistance in providing readers/notetakers/interpreters, special accommodations for test taking needs, assistance with architectural barriers, assistive technology, and support for individual needs.

Campus Support & Intervention - (213) 821-4710

campussupport.usc.edu

Assists students and families in resolving complex personal, financial, and academic issues adversely affecting their success as a student.

Diversity at USC - (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.