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Precalculus I:Theory & Functions
Math 41 Summer 2015 Syllabus

ROOM: De Anza College L25
Mon.–Thurs. 10:00 AM–12:15 PM

TEXTBOOK

Precalculus with Limits, 2nd Ed., by Larson.

STUDENT LEARNING OUTCOMES

- Investigate, evaluate and differentiate between algebraic and transcendental functions in their graphic, formulaic, and tabular representations.
- Synthesize, model, and communicate real-life applications and phenomena using algebraic and transcendental functions.

REQUIRED MATERIALS

- Course textbook
- A scientific calculator
- A pencil, pen, and highlighter
- Notebook or binder for note taking
- Graph paper
- Scratch paper

A NOTE ON CALCULATOR USE

Use of calculators is permitted in this course unless otherwise noted. Students may not share calculators during quizzes or exams. *Other electronic devices may* ***not*** *be used in lieu of a calculator.*

ACADEMIC INTEGRITY

Please familiarize yourself with the college Academic Integrity Policy. Students found violating the policy will receive a score of zero on the assignment which will not be dropped and will be reported to the dean (with possible expulsion resulting) for the first offense.

IMPORTANT DATES

- July 9: Last day to request a pass/no pass grade.

GRADING POLICY

Student grades will be determined based on homework, quizzes, midterm exams, and a final exam.

Five homework sets will be assigned and collected for grading. These assignments are *optional* and will not necessarily count toward your overall grade. (See Quizzes, below.) Each homework set is due when you enter the classroom on the assigned due date. No late work is accepted.

Follow the guidelines below when completing your homework assignments. Assignments not complying with these guidelines will not be graded.

- Work your problems on standard-sized binder paper (graph paper for graphs). Do not use spiral notebook paper.
- Staple your work in the upper left hand corner *before* arriving at class.
- Write your name, the course name, and the assinment number at the top of each page.
- Do all problems in order, number each problem and circle or highlight your answer.
- Show all intermediate work.
- Write neatly and organize your work. If you cannot write neatly, type your assignment.

In addition to the assigned homework, I have prepared a list of suggested problems to help you prepare for quizzes and tests. These will not be collected, but it is essential to your success that you do these. These are the sorts of problems that you will find on the quizzes and tests that constitute the entirety of your grade for this class. This is your chance to practice!

Quiz questions will typically be drawn from recent classroom examples, suggested problems, and items similar to suggested problems. Three quizzes will be given and graded on a 20-point scale. There will be no make-ups for missed quizzes, but the lowest of these three grades will be replaced with the total of the five assigned homework sets (if higher).

Two 50-point midterm exams will be given during the course of the semester. Midterms will typically cover two-weeks of material. There will be no make-ups for missed midterm exams, but the lower of these two grades will be replaced by the the average of this score and the final exam grade (if higher).

A 50-point comprehensive final examination will be given at the end of the semester. This exam will focus on the most important topics covered during the course. The final exam is mandatory. No make-up exam will be given.

Grades for the course will be mapped as follows:

90–100%	A	189–210 points
80–89.9%	B	168–188 points
70–79.9%	C	147–167 points
60–69.9%	D	126–146 points
Below 60%	F	below 126 points

OTHER STUDENT RESOURCES

- Math, Tutorial Center in S43.
- Your classmates are an excellent resource. You will accomplish more if you work together to learn.
- You may aslo find the following website helpful: *www.khanacademy.org*

Tentative Schedule: Precalculus I: Theory & Functions Math 41

WEEK	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	NOTES
Week 1	6/29	6/30	7/1	7/2 Quiz 1	Sections 1.1–1.5
Week 2	7/6	7/7	7/8	7/9 Exam 1 HW 1 due	Sections 1.6–1.10
Week 3	7/13	7/14	7/15	7/16 Quiz 2 HW 2 due	Sections A.3, 2.1–2.4
Week 4	7/20	7/21	7/22	7/23 Exam 2 HW 3 due	Sections A.4, 2.5–2.7
Week 5	7/27	7/28	7/29	7/30 Quiz 3 HW 4 due	Sections A.2, 3.1–3.5
Week 6	8/3	8/4	8/5	8/6 Final Exam HW 5 due	Sections A.5, A.6, Catch up & review

Assigned Homework List

HW 1	1.1: 26, 82	1.2: 10, 90	1.3: 72, 146	1.4: 50, 90	1.5: 80, 136
HW 2	1.6: 76	1.7: 46, 90	1.8: 58, 84	1.9: 58, 116	1.10: 46, 94
HW 3	2.1: 50, 78	2.2: 98, 108	2.3: 32, 64	2.4: 62, 80	A.3: 184, 246
HW 4	2.5: 26, 60	2.6: 30, 66	2.7: 72, 88	A.2: 42, 114	A.4: 70, 86
HW 5	3.1: 68, 90	3.2: 48, 98	3.3: 90, 100	3.4: 70, 92	3.5: 44 (a only), 84