

DEPARTMENT OF MATHEMATICS
California State University, Bakersfield
MATH 300 - Sets and Logic

Instructor: Charles Lam

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Class times: 4-6 MTR (DDH 105H)

Office Hours: 3-4M, 2-4TR, or drop by when I am in.

Text: A Transition to Advanced Mathematics – Smith, Eggen, St. Andre

Topics covered (tentative schedule):

<u>Week of</u>	<u>Topic</u>	<u>Week of</u>	<u>Topic</u>
March 29	1.1-1.3	May 10	4.1-4.3
April 5	1.4-1.6	May 17	4.4, 5.1
April 12	2.1-2.3	May 24	5.2-5.4
April 19	2.4-2.5	May 31	5.5
April 26	2.6, 3.1	June 7	Review
May 3	3.2-3.4		

Labs: Lab days are Mondays. Attendance is required. You are required to work in groups of 2-4 on assigned problems and hand in the lab reports by the Monday of the following week the latest. You are required to write down your group members in the lab reports. One lab report will be selected from each group and all group members will receive the same grade based on the lab report that is picked to grade. Make sure you only write down the names of your group members who contributed significantly to the lab.

Homework: Homework will be assigned weekly on Tuesdays, and are due the Tuesday after. Three problems will be selected to be graded from each homework. In each homework, 20% of the total grade will be allocated to your presentation of your work.

Project: There will be one project to be done in groups of 2-4. Details will be given out later on in the quarter.

Homework Reading: Starting from the 3rd week, each week 2-3 students will be selected from the class to be a student grader of part of the homework. As a student grader, you are expected to critique the homework solutions as if you were the grader. This will not affect the grade of your homework, but you will be judged on the accuracy and quality of the grading. Each student will be a grader once during the quarter.

Grading: In addition to homework, labs, project, homework reading, there will be two tests, and a final exam (cumulative). A 50% in the final exam is required to obtain a final grade of D- or better. Grades will be assigned according to the better of the two schemes:

- Labs (15%), homework (15%), project (5%), homework reading (5%), first test (20%), second test (20%), final exam (20%)
- Labs (15%), homework (15%), project (5%), homework reading (5%), first test (10%), second test (20%), final exam (30%)

The equivalent letter grades are as follows:

84%– < 87%	B+	93%+	A	87%– < 93%	A-
73%– < 77%	C+	80%– < 84%	B	77%– < 80%	B-
60%– < 65%	D+	69%– < 73%	C	65%– < 69%	C-
< 50%	F	55%– < 60%	D	50%– < 55%	D-

Test Dates:

- First Test: April 26, Monday
- Second Test: May 17, Monday
- Final Exam: June 8, Tuesday, 5-7pm

Remarks:

- There will be no make-up exams or tests. If you know in advance that you are going to miss an exam, please make your arrangements with me at least one week ahead.
- Homework is due at the beginning of lab. No late homework will be accepted.

Academic Dishonesty:

You are encouraged to work with your classmates in labs and homework. However, YOU ARE REQUIRED TO HAND IN WORK WRITTEN BY YOURSELF. A rule of thumb is to destroy any evidence of discussion before writing up the solutions yourself.

If you collaborated with anyone, ACKNOWLEDGE COLLABORATORS. Please also note that, ACKNOWLEDGING YOUR FRIENDS ON THE CONTRIBUTION DOES NOT MEAN YOU HAVE THE RIGHT TO COPY OTHERS' WORK. YOU MUST WRITE THE SOLUTIONS IN YOUR OWN WORDS.

If you are caught cheating, the policy for this class is -10% to the final grade on the first offense, -20% for the second, and -50% thereafter.