Math 300: Discrete Mathematics, Spring 2015

Instructor: Brian Sittinger
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Office: Bell Tower 2840
Office Hours: TuTh 12:00 PM - 1:00 PM, and by appointment
Class Times: TuTh 10:30 AM-11:45 AM
Class Location: Bell Tower 2424

Prerequisite: Math 230 or equivalent.

Text: A First Course in Discrete Mathematics by Ian Anderson (not of be confused with the flautist from Jethro Tull).

Course Website: http://faculty.csuci.edu/brian.sittinger/math300page.html
This may be also directly accessed through Blackboard (CI Learn).

Course Description from the Course Catalog: Topics include sets, algebraic systems, axioms, definitions, propositions and proofs, combinatorics, graph theory, and moduli calculus. Students are expected to write mathematical proofs, and communicate mathematical ideas clearly in written and oral form.

Learning Outcomes: Through this course, students will be able to

- Apply the principles of Logic in a formal language.
- Discuss the theory and use of Sets.
- Compute the number of ways complicated tasks can be performed.
- Incorporate applied problems into a graph theoretic framework and using this interpretation to solve them.
- Express quantitative ideas in oral and written form.

Grading: Grades will be determined as follows:

- Homework (20%)
- Two Exams (20% each)
- Final Exam (40%)
Homework: I will assign homework daily to be turned in on every Tuesday (unless otherwise stated) at the beginning of lecture. Make sure that your presentations are well-organised. If you use more than one sheet of paper, please write your name at the top of each sheet, and be sure to staple them all together. This will make my job to grade them much easier.

Math 399: Please sign up for Math 399 Section 3 (MW 3:00 - 4:15 PM) or 8 (TuTh 3:00 - 4:15 PM). Further instructions will be given in the lab.

Exams: The two exams will be given in class around the sixth and twelfth weeks of lecture. The final exam will take place on Thursday 14 May at 8:00 AM. These exams will be done without calculators (if this conjures fears, don’t panic; your instructor will make sure that these exams are devoid of messy arithmetic!) or notes. Unless you have a genuine doctor’s note, you have to take the exams when they are given.

Extra Help: In addition to myself and your fellow classmates, please check out the Learning Resource Center (in the Broome Library). This center’s math tutors will be happy to help you!

Academic Honesty: Cheating and plagiarism will not be tolerated in this class. For information on the University’s policy, please read the University Catalog (“Policies and Regulations” section).

Disability Statement: Cal State Channel Islands is committed to equal educational opportunities for qualified students with disabilities in compliance with Section 504 of the Federal Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) of 1990. The mission of Disability Accommodation Services is to assist students with disabilities to realize their academic and personal potential. Students with physical, learning, or other disabilities are encouraged to contact the Disability Accommodation Services office at (805) 437-8510 for personal assistance and accommodations.

Disclaimer Statement: Information contained within this syllabus, other than that mandated by the University, may be subject to change with advance notice, as deemed appropriate by the instructor.