Math 372-02
Combinatorics

Instructor: Dr. Cory Johnson (Previte)  Office: JB 322
   Email: CPrevite@csusb.edu  Phone: (909) 387-5423

Lectures: Tues/Thurs 12:00 – 1:50 pm in JB 383

Office Hours: Tues/Thurs 9:30 – 11am
   Tuesday 4 – 5 pm
   Or by appointment


Prerequisites: Math 213; or Math 211, 262 and 272

Content: In this course, we will learn about permutations and combinations, recurrence relations with applications from chapters 5 – 7 and topics in graph theory from chapters 1 – 3.

Student Learning Outcomes (SLOs): Upon successful completion of this course:

1.3 Students will achieve proficiency in modeling with mathematics
3.4 Students will be able to reflect on and learn from previous problems
3.5 Students will be able to evaluate reasonableness of proposed results using estimation and context
4.1 Students will demonstrate mathematical communication skills using appropriate mathematical vocabulary and references

A complete list of SLOs and department student learning goals can be found at [http://www.math.csusb.edu/BA_SLO_2013.html](http://www.math.csusb.edu/BA_SLO_2013.html)
**Class Activities:** Class will consist of lectures, small group activities, and discussions. The best way to prepare for class is to complete suggested homework problems and to skim the section(s) which will be covered that day. You are expected to participate in all class activities.

**Homework:** Homework will be assigned and discussed in class, but NOT graded. It is in your best interest to work through the homework problems since this is a good way to identify questions you may have about the material. Homework problems will show up on the quizzes.

**Quizzes:** There will be a total of 7 quizzes throughout the term to check your understanding of the material. Your highest 5 quiz scores will determine your Quiz grade. The purpose of dropping two quiz scores is to compensate for any unforeseen circumstances such as illness, family emergencies, etc. NO MAKEUP QUIZZES WILL BE GIVEN. Quiz questions will come from homework problems and problems discussed in lectures.

**Exams:** There will be two midterms and a final exam. The first midterm will be on **Thursday, October 16.** The second midterm will be on **Thursday, November 13.** The comprehensive final will be given on **TUESDAY, DECEMBER 9 at 12pm.** The final exam score will replace your lowest midterm score if it is to your advantage. NO MAKEUP EXAMS WILL BE GIVEN.

**Grading Policy:**

**Course work will be weighted as follows:**
Quiz: 30%
Two Midterms: 40%
Final Exam: 30%

**Grading Scale:**

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<td>93 – 100%</td>
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**Students with Disabilities:** If you are in need of an accommodation for a disability in order to participate in this class, please see the instructor and contact Services to Students with Disabilities at (909)537-5238.

**Plagiarism and Cheating:** Students are expected to be familiar with the University’s Policy on cheating and plagiarism. Please review the CSUSB Bulletin. Instances of academic dishonesty WILL NOT be tolerated. Cheating on exams or plagiarism (presenting the work of another as your own, or the use of another person’s ideas without giving proper credit) will result in a failing grade and sanctions by the University. For this class, all assignments are to be completed by the individual student unless otherwise specified.

**Important Dates:**

October 15 – Last day to drop class without record.

October 16 – Midterm 1

November 11 – Veteran’s Day – No Class

November 13 – Midterm 2

December 9 – Final Exam