California State University, San Bernardino

Math 272-01, Discrete Math

Course and Instructor Information
Instructor: Dr. Cory Johnson
Office: JB 322
Email: cprevite@csusb.edu
Phone: (909) 387-5423
Office Hours: Tuesday and Thursday 1 – 2:30pm, Wednesday 10 – 11am, or by appointment
Class Days/Time: Tuesday, Thursday 10:00 – 11:50am
Classroom: JB 113
Textbook: *Discrete Mathematics with Applications*, 4th edition, by Epp
Prerequisites: Completion of the general education requirement in mathematics

Course Description
In this course, we will learn about logic, computer arithmetic (including binary and hexadecimal numeration), set theory (including Boolean algebra), recursions, and relations. This will correspond to select sections from chapters 1 – 3, 5 – 6, and 8 in the textbook with material from other sections as necessary.

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

1.1 Students will demonstrate an understanding of and apply fundamental concepts, operations, and relations.

3.2 Students will use and produce valid arguments.

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 on the Math Department webpage: [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 and small group activities. You are expected to actively participate in every class. The best way to prepare for class is to complete homework and to skim the sections from the textbook that will be covered that day.
**Homework**
Homework will be assigned for each section from the textbook. Homework assignments will be randomly collected and select problems will be graded throughout the quarter. Therefore, it is in your best interest to work through every homework problem. LATE HOMEWORK WILL NOT BE ACCEPTED.

**Quizzes**
There will be a total of 7 quizzes 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 and family emergencies, as well as scheduled absences. NO MAKEUP QUIZZES WILL BE GIVEN. Quiz questions will come from homework problems and examples from lecture.

**Exams**
There will be two midterm exams and a final exam. The first midterm will be on Thursday, February 5. The second midterm will be on Tuesday, March 3. The comprehensive final exam will be given on **Thursday, March 26 at 10am**. 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:

- Homework: 5%
- Quizzes: 25%
- Two Midterms: 40%
- Final Exam: 30%

**Grading Scale:**
- 93 – 100% A
- 90 – 92% A-
- 86 – 89% B+
- 80 – 85% B
- 75 – 79% B-
- 70 – 74% C+
- 65 – 69% C
- 60 – 64% C-
- 50 – 59% D
- 0 – 49% F

**Administrative Drop**
Students who fail to attend TWO consecutive class meetings in the first three weeks of the quarter will be dropped. Please review the add/drop policy in the CSUSB Bulletin.

**Students with Disabilities**
If you are in need to 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**

Monday, January 19 – Martin Luther King Holiday

Monday, February 2 – Census Day, Last day to drop without record

Thursday, February 5 – Midterm 1

Tuesday, March 3 – Midterm 2

Thursday, March 26 – Final Exam