

Math 206: Introductory Discrete Mathematics

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TEXT: *Discrete Mathematics*, Dossey et al., published by Addison-Wesley.

COURSE DESCRIPTION: The course presents mathematical tools and ideas useful in computer applications. Topics may include: Binary, Hex, Boolean algebra, Logic gates, Karnaugh maps, Algorithms, Efficiency, Proof by induction, Counting techniques, Relations, Graphs, Euler paths, Hamiltonian circuits, Spanning trees, Huffman compression, Coding in C++ using the STL

EXAMS: There are two midterm exams (100 points each) and a final (200 points).

First midterm exam: **Fri. Feb 24**

Second midterm exam: **Fri. Apr 14**

Final exam: **Wed. May 10, 8:00 – 9:50 p.m.**

GRADING: There is a total of 100 points available for quizzes so your grade is based on a total of 500 points.