CMSC 441
Design and Analysis of Algorithms
Tentative Syllabus

Instructor: Professor Samuel Lomonaco

Contact Information & Office Hours:
http://www.cs.umbc.edu/~lomonaco/How.To.Reach.Me.html
WebPage: **http://www.csee.umbc.edu/~lomonaco/**
Course WebPage: **http://www.csee.umbc.edu/~lomonaco/Teachings12.html**

Required Text: Thomas E. Cormen, Charles E. Leiserson, Ronald L. Rivest, and Clifford Stein, Introduction to Algorithms, Second Edition, MIT Press, McGraw Hill Book Company. **(3rd edition)**

Topics Include:
Order of Growth, Summation and Recurrences, Sorting, Order Statistics, Hashing, Red-Black Trees, Dynamic Programming, Greedy Algorithms, Disjoint Sets, Graph Traversal, Topological Sorting and Connected Components, Minimum Spanning Trees, Shortest Paths, Symbolic Algorithms.

Method of Evaluation: Homework: 25%, Exam1: 25%, Exam2: 25%, Exam 3: 25%.

Administrative Policies:

On the date the homework and/or project is due, a hardcopy is to be handed in at the beginning of class, and no later than 10 minutes after class begins. On the day it is due, any homework handed in 10 minutes after class begins is deemed LATE. LATE homework will not be accepted.

Exams will be given only at the scheduled times. There are No make-up exams.

Academic Honesty

By enrolling in this course, each student assumes the responsibilities of an active participant in UMBC's scholarly community, in which everyone's academic work and behavior are held to the highest standards of honesty. Cheating, fabrication, plagiarism, and helping others to commit these acts are all forms of academic dishonesty, and they are wrong. Academic misconduct could result in disciplinary action that may include, but is not limited to, suspension or dismissal.

[Statement adopted by UMBC's Undergraduate Council and Provost's Office]

To read the full Student Academic Conduct Policy, consult the UMBC Student Handbook, the Faculty Handbook, or the UMBC Policies section of the UMBC Directory.