

METROPOLITAN STATE COLLEGE of DENVER
Office of Academic Affairs

REGULAR COURSE SYLLABUS

School of: Letters, Arts, and Sciences

Department: Mathematical and Computer Sciences

CIP Code: 11.0701

Prefix & Course Number: CS 4520 Crosslisted With*:

Course Title: Advanced Computing: Variable Topics

Check All That Apply: Required for Major: Required for Minor: Specified Elective:
Required for Concentration: Elective: X Service Course:

Credit Hours: 1-4 (1-4 + 0)

Total Contact Hours per semester (assuming 15-16 week semester):

Lecture 15-60 Lab 0 Internship 0 Practicum 0 Other (please specify type and hours): 0

Schedule Type(s): Lecture Grading Mode(s): Letter

Variable Topics Courses (list restrictions, including the maximum number of hours that can be earned**):
none

** NOTE: This information must be included in the course description.

Restrictions (Variable Topics Course): none

Prerequisite(s): Permission of instructor

Corequisite(s): none

Prerequisite(s) or Corequisite(s):

Banner Enforced:

Prerequisite(s):

Corequisite(s):

Prerequisite(s) or Corequisite(s):

Catalog Course Description:

This course will include further topics in computer science and its applications. Topics will be chosen from analysis of algorithms, compiler design, simulation, artificial intelligence, or other chosen by the instructor. This course may be repeated for credit under different titles.

APPROVED:	<u>Ruth G. Yaras</u>	<u>1-17-06</u>
Department Curriculum Committee		Date
	<u>Steve Beary</u>	<u>1/19/06</u>
Department Chair OR Program Director		Date
	<u>Hal</u>	<u>1/31/06</u>
Dean OR Associate Dean		Date
	<u>Quada S. Curran</u>	<u>2/2/06</u>
Associate VP, Academic Affairs		Date

*If crosslisted, attach completed Course Crosslisting Agreement Form

Prefix and Course Number: CS 4520

January 11, 2006

Required Reading and Other Materials will be equivalent to:

Theses will be submitted each time the course is offered.

Specific, *Measurable* Student Behavioral Learning Objectives:

Upon completion of this course the student should be able to:

These will be submitted each time the course is offered.

Detailed Outline of Course Content (Major Topics and Subtopics):

These will be submitted each time the course is offered.

Evaluation of Student Performance:

1. Homework and programming assignments
2. Quizzes and examinations
3. Final examination
4. Research papers, and/or book reports
5. Oral presentations
6. Significant programming projects

as determined by the instructor. Written communication skills will be applied in this course.