

CATALOG INFORMATION

=====

Dept & Nbr: CSC 213 Title: PROGRAMMING IN C++
Full Title: Programming in C++

Units	Course Hours	Per Week	Nbr of Weeks	Course Hours	Total
Max: 3.0	Lecture	2.5	17	Lecture	42.5
Min: 3.0	Lab	1.5		Lab	25.5
	Contact DHR	0.0		Contact DHR	0.0
	Contact Total	4.0		Contact Total	68.0
	Non-contact DHR	0.0		Non-contact DHR	0.0

Title 5 Category: 01 AA Degree Applic
Grading: GC Credit course for grade or CR/NC
Repeatability: 01 2 ENROLLMENTS
Also listed as:

CATALOG DESCRIPTION:

Programming problem solving and practice using the C++ language. Concentration on mastering C++ programming skills for effective application in industry, government and other environments. Using a structured approach to programming, course covers data input/output, control structure, operations, functions, the operating environment, and an introduction to objects and classes.

PREREQUISITES:

COREQUISITES:

RECOMMENDED PREPARATION:

CSC 121 or 203 or 204

LIMITS ON ENROLLMENT:

SCHEDULE OF CLASSES INFORMATION:

Recommended: CSC 121 or 203 or 204
Programming problem solving and practice using C++ language. Concentration on mastering C++ programming skills for effective application in industry, government and other environments. Using a structured approach to programming, course covers data input/output, control structures, operations, functions, the operating environment and an introduction to objects and classes. (Grade or CR/NC) (Repeat Code 1)
Transfer Credit: CSU.

ARTICULATION and CERTIFICATE INFORMATION

=====

ASSOCIATE DEGREE: Effective: FALL 2007 Inactive:
Area: D2 COMMUNICATIONS & ANALYTICAL THINKING

APPROVED COURSE

CSC 213

Students are required to submit several computer programs and documentation materials as appropriate. Substantial writing is inappropriate because the course primarily involves the application of skills learned in the course.

OUTSIDE ASSIGNMENTS:

Students are expected to spend a minimum of two hours of independent work out of class for each unit of lecture credit by doing the following:

1. Designing, writing and debugging C++ programs utilizing the techniques and concepts discussed in class.
2. Reading assignments as assigned.
3. Completion of assigned exercises for each unit of instruction.

ASSIGNMENTS THAT DEMONSTRATE CRITICAL THINKING:

1. Translate a verbal assignment in the logical steps needed to create the programs.
2. State the logic of an application.
3. Analyze the processes involved in many of the topics covered.

METHOD OF INSTRUCTION:

METHODS OF EVALUATION:

1. Skill demonstration will constitute at least 40% of the grade. This will involve translating the concepts discussed into C programs.
2. Quizzes, tests, in class evaluations - approximately 30%
3. Comprehensive final exam - approximately 30%

BASIS FOR GRADING:

The assignment of a grade is based on the level of achievement of the outcomes and objectives of the course outline and is reflected in quantifiable terms in the course syllabus.

REPRESENTATIVE TEXTBOOKS:

The Waite Group's C++ Primer Plus, Stephen Prata, SAMS Publishing
(a division of Prentice Hall, 1990)

REASON FOR REVISION

=====

Correcting oversights of incorrectly (1) excluding this course from the Credit by Exam list and (2) excluding it as an option for Educational Requirement D. Justification for including in Requirement D: According to California Code of Regulations for Associate Degree G.E. Criteria, #55806 states: "(D) Language and Rationality. Courses in language and rationality are those which develop for the student the principles and applications of language toward logical thought, clear and precise expression and critical evaluation of communication in whatever symbol system the student uses." It continues with Part 2: "Communication and Analytical Thinking. Course fulfilling the communication and analytical thinking requirement include oral communications, mathematics, logic, statistics, computer language and programming, and related disciplines. CSC 213 is a computer language (C++)

programming class.

RESOURCES REQUIRED

=====

MISCELLANEOUS

=====

Advisory generate desc:	N	NO
Area department:	CSC	COMPUTER SCIENCE
Audit flag:	N	NOT AUDITABLE
Basic skills:	X	NOT BASIC SKILLS
Classification:	I	Career-Technical Education
Cost level:	01	
Disciplines:		COMPUTER SCIENCE
Division:	02	MERIDITH RANDALL
Faculty service areas:		COMPUTER SCIENCE
Fee:	\$0.00	
In-service:	X	NOT IN-SERVICE
Level below transfer:	X	NOT APPLICABLE
Matric-requiring:	X	Exempt from assessment
Maximum class size:	0	
Maximum wait list:	0	
Method of instruction:	03	LECTURE/LABORATORY
	99	OTHER/UNSPECIFIED METHOD OF INSTRUCTION
Non-credit category:	X	NOT APPLICABLE, CREDIT COURSE
Open entry/exit:	N	Not open entry/exit
Pacs activity:	0701	COMPUTER SCIENCE INFO GENERAL
Pacs program project:	0000	
Preq/coreq generate desc:	N	NO
Preq/coreq provisional:	N	NO
Preq/coreq reg check:	N	NO PREREQUISITE RULES EXIST
Repeat group id:		
Requires instructor sig:	N	INSTRUCTOR'S SIGNATURE NOT REQUIRED
SAM classification:	C	Clearly occupational
Selected/special topic:	N	NOT A SELECTED TOPIC COURSE
Special class:	X	NOT A SPECIAL COURSE
TOP code:	0707.10	COMPUTER PROGRAMMING
Workload:	0.0000	