

Computer Programming

Course Design

2002-2003

Course Information

Organization: Eastern Arizona College

Division: Math

Course Number: EGR 210

Title: Computer Programming

Credits: 3

Developed by: Jeanne Bryce

Lecture/Lab Ratio: 2/2

Transfer Status: ASU: CSE 183, NAU: CSE 123, UA: ENGR170

Extended Registration

Class: No

CIP Code: 11.0202

Semester Taught: Offered upon request.

Gen. Ed. Area: AAS Degree

Separate Lab: No

Awareness Course: No

Intensive Writing

Course: No

Prerequisites: 1. CMP 101 or CMP 103

Educational Value:	<p>A. To General Education: The student develops rational/logical approaches to solving problems, not limited to programming but applicable to most areas of learning. The student is also introduced to computers and the use of computer hardware and software.</p> <p>B. To Major/Program: The student acquires skills necessary in operating computers, entering text and data, and editing this text. The student learns the basic components of a programming language which will also apply to other languages to be used in the future.</p> <p>C. Other: The student develops confidence in operating and using computers. This confidence will increase the chance of success when the student encounters computers in a variety areas in future endeavors.</p>
Goals:	<ol style="list-style-type: none"> 1. Students develop an appreciation for the uses of scientific/engineering programming languages and specific applications. 2. Students develop the capability to operate a computer, compile, and run FORTRAN Programs. 3. Students will also be able to use an editor to create/edit/store programs as well as access data files from secondary storage devices.
Description:	<p>An introductory course in FORTRAN programming intended for students in pre-engineering. Students use FORTRAN to solve scientific/engineering problems where a logical approach to problem solving is emphasized. Identical to CMP 210.</p>
Textbooks:	<p>David Etter. Structured Fortran for Beginners and Scientists 1998. Bryan Cummins, 1997. This textbook is required.</p>
Supplies:	<p>None</p>

