

**SAN DIEGO COMMUNITY COLLEGE DISTRICT
CITY, MESA, AND MIRAMAR COLLEGES
ASSOCIATE DEGREE COURSE OUTLINE**

SECTION I**SUBJECT AREA AND COURSE NUMBER:** Computer and Information Sciences 290**COURSE TITLE:** Independent Study**Units:** 1-3
Grade Only**CATALOG COURSE DESCRIPTION:**

Typically for advanced students in Computer and Information Sciences who wish to pursue special problems and projects related to the area. The student will meet with the instructor at specific intervals and will be expected to accomplish primary research, problem analysis and report preparation relating to an approved project or course of study. This course may be taken four times with different content for a maximum of six units.

REQUISITES:**Limitation on Enrollment:**

Must obtain an Add Code from the instructor for enrollment.

FIELD TRIP REQUIREMENTS: Not required**TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities**TOTAL LECTURE HOURS:****TOTAL LAB HOURS:****OTHER HOURS:** 48 - 162**STUDENT LEARNING OBJECTIVES:**

Upon successful completion of the course the student will be able to:

1. Demonstrate knowledge and understanding of topics specified in the student/instructor contract.
2. Demonstrate ability to study independently through research and writing in topics.
3. Demonstrate proficiencies as specified in the student/instructor contract through activities including, but no limited to research papers, project development and demonstration, and instructor directed activities.

SECTION II**1. COURSE OUTLINE AND SCOPE:****A. Outline Of Topics:**

The following topics are included in the framework of the course but are not intended as limits on content. The order of presentation and relative emphasis will vary with each instructor.

I. The topics to be included in the framework of the course will be determined by contract between the student and Computer and Information Science Department and the instructor. The presentation and relative emphasis will vary with each instructor/student contract.

B. Reading Assignments:

Reading assignments are required and may include but, are not limited to, the following:

I. Readings used to satisfy the student/instructor contract may include but not be limited to articles from periodicals, books, and applications-related documentation.

C. Appropriate Assignments that Demonstrate Critical Thinking:

Critical thinking assignments are required and may include, but are not limited to, the following:

I. Critical thinking will be demonstrated by the students in such assignments and activities as written and oral analysis of prepared applications sequences, evaluation of application program support documentation, and the development of materials as specified in the student/instructor contract.

D. Appropriate Outside Assignments:

Outside assignments may include, but are not limited to, the following:

I. Outside class assignments may include such activities as reading, writing, critiquing, summarizing, research and analyzing.

E. Writing Assignments:

Writing assignments are required and may include, but are not limited to, the following:

I. Writing assignments, problem solving exercises and/or skills demonstrations will be agreed upon by both the student and instructor through the student/instructor contract as deemed to be appropriate.

2. METHODS OF EVALUATION:

A student's grade will be based on multiple measures of performance unless the course requires no grade. Multiple measures may include, but are not limited to, the following:

I. Evaluation will be based on performance objective specified in the student/instructor contract using a variety of activities and assignments.

3. METHODS OF INSTRUCTION:

Methods of instruction may include, but are not limited to, the following:

* Methods of instruction, as determined by each instructor, may include lecture, lecture/discussion, discussion seminar, audio visual, modules, required field trips and any other unique instructional strategies as shall be determined by each instructor.

4. REQUIRED TEXTS AND SUPPLIES:

Textbooks may include, but are not limited to:

TEXTBOOKS:

MANUALS:

PERIODICALS:

SOFTWARE:

SUPPLIES:

ORIGINATOR: Curricunet Version 2

CO-CONTRIBUTOR(S)

DATE: 02/01/1990