

ACR - 99 - Independent Study

Curriculum Office Use - 95/96/99

COURSE OUTLINE OF RECORD

Course Acronym:*

ACR

Course Number:* 99

Descriptive Title:* Independent Study

Division: Industry and Technology

Course Disciplines: Air Conditioning and Refrigeration

Catalog Description:*

This course provides special advanced studies in a subject field of Air Conditioning and Refrigeration not covered in the regular departmental offerings. Regular conferences with the instructor are coordinated with assigned Air Conditioning and Refrigeration projects (54 hours per unit).

Note: Transfer limitations apply.

Prerequisite:

Co-requisite:

Recommended Preparation:

Enrollment Limitation: two courses in Air Conditioning and Refrigeration with a minimum grade of B in each and acknowledgment by the instructor with whom the student will work

Hours Lecture (per week): 1-3

Hours Laboratory (per week): 0

Outside Study Hours:* TBA

Total Course Hours:* 18-54

Course Units:* 1-3

Credit Status: Credit, degree applicable

Transfer CSU: Yes

Effective Date: 6/21/2004

Transfer UC: No

Effective Date: This course satisfies elective credit requirements.

General Education:
ECC

Term:

Other:

CSU GE:

Term:

Other:

IGETC:

Term:

Other:

Student Learning Outcomes: Student Learning Outcomes are based on the scope of work described in the Independent Study Project Proposal. SLO statements and reports for this course may be obtained in the academic division office.

Course Objectives:

1. Develop research and critical thinking skills applicable to the field of Air Conditioning and Refrigeration.
2. Enhance the ability to work independently.

Major Topics:

I. TO BE ARRANGED HOURS (18 hours, lecture)

The topic of study and the types of projects to be included are to be developed through consultation between the student and the instructor (1 unit of credit).

OR

II. TO BE ARRANGED HOURS (36 hours, lecture)

The topic of study and the types of projects to be included are to be developed through consultation between the student and the instructor (2 units of credit).

OR

III. TO BE ARRANGED HOURS (54 hours, lecture)

The topic of study and the types of projects to be included are to be developed through consultation between the student and the instructor (3 units of credit).

Total Lecture Hours: 0

Total Laboratory Hours: 0

Total Hours: 18-54

Primary Method of Evaluation: 1) Substantial writing assignments

Typical Assignment Using Primary Method of Evaluation: The assignments will be determined by the instructor and student based on the nature of the topics under study.

Critical Thinking Assignment 1: The college level critical thinking assignments will be determined by the instructor and student, based on the nature of the topics under study.

Critical Thinking Assignment 2: n/a

Other Evaluation Methods: Other (specify)

Instructional Methods: Other (specify)

If other: Regularly scheduled conferences, evaluations, and other instructional activities.

Work Outside of Class:* Other (specify)

If Other: To be determined by the number of units and the nature of the topic(s) under study.

Up-To-Date Representative Textbooks: Required texts will be determined by the instructor and student

Alternative Textbooks:

Required Supplementary Readings: Supplemental readings will be determined by the instructor and student.

Other Required Materials: Required materials will be determined by the instructor and student.

Category:

Requisite and Matching skill(s): **Bold the requisite skill.**
List the corresponding course objective under each skill(s).

Requisite Skill:

Requisite Skill and Matching Skill(s):
Bold the requisite skill(s). If applicable

Requisite course:

Requisite and Matching skill(s): **Bold the requisite skill.**
List the corresponding course objective under each skill(s).

Requisite Skill:

Requisite Skill and Matching skill(s):
Bold the requisite skill. List the corresponding course objective under each skill(s). If applicable

Enrollment Limitations and Category:

two courses in Air Conditioning and Refrigeration with a minimum grade of B in each and acknowledgment by the instructor with whom the student will work

Enrollment Limitations Impact:

This course satisfies elective credit requirements.

Course Created by: Robert Prather/Susan Cotler

Date: 09/01/1986

Original Board Approval Date:

Last Reviewed and/or Revised by: Curriculum Chair

Date: 09/01/2021

Last Board Approval Date: 02/17/2015