

# CHEM 71R: INDEPENDENT STUDY IN CHEMISTRY

## Foothill College Course Outline of Record

Heading	Value
<b>Effective Term:</b>	Summer 2022
<b>Units:</b>	2
<b>Hours:</b>	6 laboratory per week (72 total per quarter)
<b>Advisory:</b>	Recommended preparation will be determined by instructor after interviewing the student pre-contract.
<b>Degree &amp; Credit Status:</b>	Degree-Applicable Credit Course
<b>Foothill GE:</b>	Non-GE
<b>Transferable:</b>	CSU
<b>Grade Type:</b>	Letter Grade (Request for Pass/No Pass)
<b>Repeatability:</b>	Not Repeatable

## Student Learning Outcomes

- Plan an independent study project in chemistry.
- Present the results of the study in a written or oral report or by some other means as determined by the contract.
- Conduct the study by means of literature research, fieldwork or laboratory work or other means mutually agreed upon in the student-faculty contract as appropriate for the discipline.

## Description

Provides an opportunity for the student to expand their studies in chemistry by completing a project or an assignment arranged by agreement between the student and instructor. The student is required to contract with the instructor to determine the scope of the assignment and the unit value assigned for successful completion. Students may take a maximum of 6 units of independent study coursework per department.

## Course Objectives

The student will be able to:

1. Successfully complete a practical milestone in the application of one or more theoretical concepts learned as part of other study in chemistry.

## Course Content

The content will be determined by the instructor as applicable for the contracted project.

## Lab Content

Will be determined by instructor.

## Special Facilities and/or Equipment

Required special facilities and/or equipment will be determined jointly by the student and instructor as part of the contract negotiation process and duly noted in the contract.

## Method(s) of Evaluation

The student and the instructor will agree upon the method of evaluation and a rubric prior to the beginning of the course

## Method(s) of Instruction

Independent study as defined in the student-faculty contract

## Representative Text(s) and Other Materials

The instructor will select specific learning resources, some of which may be digital, depending on the nature of the contracted project. In addition, recent journal articles may constitute assigned reading with a view to applying concepts in practical work.

## Types and/or Examples of Required Reading, Writing, and Outside of Class Assignments

Will be determined by instructor.

## Discipline(s)

Chemistry