

**MATH 49 Course Outline as of Summer 2019****CATALOG INFORMATION**

Dept and Nbr: MATH 49 Title: INDEPENDENT STUDY

Full Title: Independent Study in Mathematics

Last Reviewed: 10/12/2020

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	0	17.5	Lecture Scheduled	0
Minimum	1.00	Lab Scheduled	0	5	Lab Scheduled	0
		Contact DHR	1.00		Contact DHR	17.50
		Contact Total	1.00		Contact Total	17.50
		Non-contact DHR	8.00		Non-contact DHR	140.00

Total Out of Class Hours: 0.00

Total Student Learning Hours: 157.50

Title 5 Category: AA Degree Applicable

Grading: Grade Only

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly:

**Catalog Description:**

Seminars or individual conferences by arrangement to provide for independent study and enriched academic experience in Math. UC determines credit AFTER transfer; not counted for admission. (See a counselor for details.)

**Prerequisites/Corequisites:**

Course Completion of MATH 154 or Course Completion of MATH 155 or higher; OR appropriate placement based on AB 705 mandates

**Recommended Preparation:****Limits on Enrollment:**

Approval of the project proposal by sponsoring faculty, Department Chair and Supervising Administrator.

**Schedule of Classes Information:**

Description: Seminars or individual conferences by arrangement to provide for independent study and enriched academic experience in Math. UC determines credit AFTER transfer; not counted for admission. (See a counselor for details.) (Grade Only)

Prerequisites/Corequisites: Course Completion of MATH 154 or Course Completion of MATH

155 or higher; OR appropriate placement based on AB 705 mandates

Recommended:

Limits on Enrollment: Approval of the project proposal by sponsoring faculty, Department Chair and Supervising Administrator.

Transfer Credit: CSU;UC.

Repeatability: Two Repeats if Grade was D, F, NC, or NP

### **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>	Effective:	Inactive:

<b>IGETC:</b>	<b>Transfer Area</b>	Effective:	Inactive:
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<b>CSU Transfer:</b>	Transferable	Effective:	Fall 1981	Inactive:
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<b>UC Transfer:</b>	Transferable	Effective:	Fall 1981	Inactive:
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**CID:**

**Certificate/Major Applicable:**

Not Certificate/Major Applicable

### **COURSE CONTENT**

**Student Learning Outcomes:**

Upon completion of the course, students will be able to:

1. Expand their knowledge base in a chosen area of mathematics through independent research.

**Objectives:**

Upon completion of this course, students should be able to:

1. Utilize mathematics in the solution of important problems.
2. Demonstrate competence in the skills from the selected study topic.
3. Formulate and execute a strategy to solve stated problems.

**Topics and Scope:**

Contents will vary with the student, but generally will reflect a student's special interests and abilities.

**Assignment:**

Assignments (e.g. reading reports, term papers, homework problems, oral or poster presentations, objective exams) for Math 49 will vary with the student and sponsoring instructor.

**Methods of Evaluation/Basis of Grade:**

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Reading reports, term papers

Writing  
5 - 95%

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Homework problems

Problem solving  
0 - 95%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Oral or poster presentations

Skill Demonstrations  
0 - 95%

**Exams:** All forms of formal testing, other than skill performance exams.

Objective exams

Exams  
0 - 95%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

None

Other Category  
0 - 0%

**Representative Textbooks and Materials:**

Text will vary with content