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:

			Effective:	Inactive:
AS Degree:	**Area**		Effective:	Inactive:
CSU GE:	**Transfer Area**		Effective:	Inactive:
IGETC:	**Transfer Area**		Effective:	Inactive:
CSU Transfer:	Transferable	Effective:	Fall 1981	Inactive:
UC Transfer:	Transferable	Effective:	Fall 1981	Inactive:

CID:

Certificate/Major Applicable:
Not Certificate/Major Applicable

COURSE CONTENT

Student Learning Outcomes:
At the conclusion of this course, the student should be able to:
1. Expand their knowledge base in a chosen area of mathematics through independent research.

Objectives:
Upon completion of this coursel, 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