

MATH 49 Course Outline as of Fall 2021**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 AB705 placement into <https://assessment.santarosa.edu/understanding-your-math-placement> Math Tier 3 or higher

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 AB705 placement into <a

href='https://assessment.santarosa.edu/understanding-your-math-placement'
class='NormalSiteLink' target='_New'>Math Tier 3 or higher

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:

AS Degree:	Area	Effective:	Inactive:
CSU GE:	Transfer Area	Effective:	Inactive:

IGETC:	Transfer Area	Effective:	Inactive:
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CSU Transfer:	Transferable	Effective:	Fall 1981	Inactive:
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UC Transfer:	Transferable	Effective:	Fall 1981	Inactive:
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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:

At the conclusion of this course, the student 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