



El Camino College  
COURSE OUTLINE OF RECORD – Official

<b>Course Acronym:</b>	MATH
<b>Course Number:</b>	99
<b>Descriptive Title:</b>	Independent Study
<b>Division:</b>	Mathematical Sciences
<b>Department:</b>	Mathematics
<b>Course Disciplines:</b>	Mathematics
<b>Catalog Description:</b>	<p>This course provides special advanced studies in a subject field of Mathematics not covered in the regular departmental offerings. Regular conferences with the instructor are coordinated with assigned Mathematics projects (54 hours per unit). Note: Transfer limitations apply. Note: For eligibility requirements, go to <a href="http://www.elcamino.edu/admissions/credit.asp">www.elcamino.edu/admissions/credit.asp</a> Note: Transfer limitations apply.</p>
<b>Prerequisite:</b>	
<b>Co-requisite:</b>	
<b>Recommended Preparation:</b>	
<b>Enrollment Limitation:</b>	two courses in Mathematics with a minimum grade of B in each and acknowledgment by the instructor with whom the student will work
<b>Hours Lecture (per week):</b>	1-3
<b>Hours Laboratory (per week):</b>	0
<b>Outside Study Hours:</b>	TBA
<b>Total Course Hours:</b>	18-54
<b>Course Units:</b>	1-3
<b>Grading Method:</b>	Letter Grade only
<b>Credit Status:</b>	Credit, degree applicable
<b>Transfer CSU:</b>	Yes
<b>Effective Date:</b>	Proposed
<b>Transfer UC:</b>	No
<b>Effective Date:</b>	
<b>General Education: ECC</b>	
<b>Term:</b>	
<b>Other:</b>	
<b>CSU GE:</b>	
<b>Term:</b>	

<b>Other:</b>	
<b>IGETC:</b>	
<b>Term:</b>	
<b>Other:</b>	
<b>Student Learning Outcomes:</b>	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.
<b>Course Objectives:</b>	<ol style="list-style-type: none"> <li>1. Develop research and critical thinking skills applicable to the field of Mathematics.</li> <li>2. Enhance the ability to work independently.</li> </ol>
<b>Major Topics:</b>	<p><b>I. TO BE ARRANGED (18 hours, lecture)</b></p> <p>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).</p> <p>OR</p> <p><b>II. TO BE ARRANGED (36 hours, lecture)</b></p> <p>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).</p> <p>OR</p> <p><b>III. TO BE ARRANGED (54 hours, lecture)</b></p> <p>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).</p>
<b>Total Lecture Hours:</b>	0
<b>Total Laboratory Hours:</b>	0
<b>Total Hours:</b>	18-54
<b>Primary Method of Evaluation:</b>	1) Substantial writing assignments
<b>Typical Assignment Using Primary Method of Evaluation:</b>	The assignments will be determined by the instructor and student based on the nature of the topics under study.
<b>Critical Thinking Assignment 1:</b>	The college level critical thinking assignments will be determined by the instructor and student, based on the nature of the topics under study.
<b>Critical Thinking Assignment 2:</b>	n/a
<b>Other Evaluation Methods:</b>	Other (specify)
<b>Instructional Methods:</b>	Other (specify)
<b>If other:</b>	Regularly scheduled conferences, evaluations, and other instructional activities.
<b>Work Outside of Class:</b>	Other (specify)
<b>If Other:</b>	To be determined by the number of units and the nature of the topic(s) under study.
<b>Up-To-Date Representative Textbooks:</b>	Required texts will be determined by the instructor and student
<b>Alternative Textbooks:</b>	

<b>Required Supplementary Readings:</b>	Required supplementary readings will be determined by the instructor and student
<b>Other Required Materials:</b>	Other required materials will be determined by the instructor and student
<b>Requisite:</b>	
<b>Category:</b>	
<b>Requisite course(s): List both prerequisites and corequisites in this box.</b>	
<b>Requisite and Matching skill(s): Bold the requisite skill. List the corresponding course objective under each skill(s).</b>	
<b>Requisite Skill:</b>	
<b>Requisite Skill and Matching Skill(s): Bold the requisite skill(s). If applicable</b>	
<b>Requisite course:</b>	
<b>Requisite and Matching skill(s): Bold the requisite skill. List the corresponding course objective under each skill(s).</b>	
<b>Requisite Skill:</b>	
<b>Requisite Skill and Matching skill(s): Bold the requisite skill. List the corresponding course objective under each skill(s). If applicable</b>	
<b>Enrollment Limitations and Category:</b>	two courses in Mathematics with a minimum grade of B in each and acknowledgment by the instructor with whom the student will work
<b>Enrollment Limitations Impact:</b>	
<b>Course Created by:</b>	Robert S. McLeod
<b>Date:</b>	10/30/1989
<b>Original Board Approval Date:</b>	
<b>Last Reviewed and/or Revised by:</b>	Curriculum Chair
<b>Date:</b>	09/01/2021

**Last Board Approval  
Date:**

02/17/2015