

Cerro Coso College
Course Outline of Record Report
 09/13/2018

MATH C299H : Honors Seminar in Math

General Information

Author(s):	<ul style="list-style-type: none"> Christine Swiridoff King, Sarah Baker, Vivian Beshwate, Benjamin
Subject (CB01):	MATH
Number (CB01):	C299H
Course Title (CB02):	Honors Seminar in Math
Department:	Mathematics
Proposal Start:	Fall 2018
TOP Code (CB03):	(1701.00) Mathematics, General
SAM Priority Code (CB09):	Non-Occupational
Distance Education Approved:	No
Course Control Number (CB00):	-
Curriculum Committee Approval Date:	04/27/2018
Board of Trustees Approval Date:	06/14/2018
External Review Approval Date:	Pending
Course Description:	In this advanced honors course, students conduct independent research to develop and critically analyze a topic appropriate for intensified study. Students synthesize and analyze information from a variety of sources, identify and critically evaluate university-level research sources, and incorporate these into a 2500-word research paper in appropriate documentation style. Satisfies part of the requirements for the Honors Program.
Submission Rationale:	Improvement to Program of Study Reducing unit value and increasing out-of-class workload to make this uniform with current honors contract process and to make these low-enrollment offerings affordable

Faculty Requirements

Master Discipline Preferred:	<ul style="list-style-type: none"> Mathematics
Alternate Master Discipline Preferred:	No value
Bachelors or Associates Discipline Preferred:	No value
Additional Bachelors or Associates Discipline:	No value

Course Development Options

Course Basic Skill Status (CB08)

Course is not a basic skills course.

Allow Students to Gain Credit by Exam/Challenge

Rationale For Credit By Exam/Challenge

No value

Course Special Class Status (CB13)

Course is not a special class.

Allowed Number of Retakes

0

Retake Policy Description

Type: Activity/Other Repeatable Limit: Three times

Grade Options

- Pass/No Pass
- Letter Grade methods

Course Prior to College Level (CB21)

Not applicable.

Allow Students To Audit Course

Associated Programs

Course is part of a program (CB24)

Associated Program

No value

Award Type

No value

Transferability & Gen. Ed. Options

Request for Transferability (CB05)

Transferable to CSU only

Transferability Status

Pending

Units and Hours

Summary

Minimum Credit Units (CB07)	-	Total Course In-Class (Contact) Hours	-	Total Student Learning Hours	-
Maximum Credit Units (CB06)	-	Total Course Out-of-Class Hours	-	Faculty Load	-

Credit / Non-Credit Options

Course Credit Status (CB04)

Credit - Degree Applicable

Course Non-Credit Category (CB22)

Credit Course.

Non-Credit Characteristics

No value

Course Classification Code (CB11)

Funding Agency Category (CB23)

Credit Course.

No value

Cooperative Work Experience Education Status (CB10)

Variable Credit Course

Weekly Student Hours

Course Student Hours

	In Class	Out of Class
Lecture Hours	-	-
Lab Hours	-	-
Activity Hours	-	-

Course Duration (Weeks)	18
Hours per unit divisor	54
Course In-Class (Contact) Hours	
Lecture	-
Lab	-
Activity	-
Total	-
Course Out-Of-Class Hours	
Lecture	-
Lab	-
Activity	-
Total	-

Time Commitment Notes for Students

No value

Faculty Load

Extra Duty: -

Faculty Load: -

Units and Hours - Weekly Specialty Hours

Activity Name	Type	In Class	Out of Class
No value	No value	No value	No value

Non-standard

Summary

Minimum Credit Units (CB07)	0.5	Total Course In-Class (Contact) Hours	-	Total Student Learning Hours	54
------------------------------------	-----	--	---	-------------------------------------	----

Maximum Credit Units (CB06)	0.5	Total Course Out-of-Class Hours	-	Faculty Load	-
------------------------------------	-----	--	---	---------------------	---

Detail

Weekly Student Hours

Course Student Hours

	In Class	Out of Class		
Lecture Hours	0.5	2.5	Course Duration (Weeks)	18
Lab Hours	-	-	Hours per unit divisor	54
Activity Hours	-	-	Course In-Class (Contact) Hours	
			Lecture	9
			Lab	-
			Activity	-
			Total	-
			Course Out-Of-Class Hours	
			Lecture	45
			Lab	-
			Activity	-
			Total	-

Time Commitment Notes for Students

No value

Faculty Load

Extra Duty: -

Faculty Load: -

Non-standard - Weekly Specialty Hours

Activity Name	Type	In Class	Out of Class
No value	No value	No value	No value

Requisites

Prerequisite

ENGLC070 - Introductory Composition

Honors Program prerequisite is ENGL C070, and the prerequisite for all courses within the program is the same for program consistency. This is approved by the Honors Program Committee.

Entrance Skills

Skill	Content Review
No value	No value

Limitations on Enrollment

Limitation	Provide Rationale
Honors:	Must be current member of the Honors Program. Required by Statute and Must have an approved Honors Contract Request. Required by Statute

Specifications

Methods of Instruction

Outside reading

Written work

Methods of Instruction Rationale

No value

No value

Assignments

A. Reading assignments from sources as appropriate to topic.

B. Preparation of 2500-word research paper on the topic incorporating appropriate primary and secondary resources.

Methods of Evaluation

Research Paper

Methods of Evaluation Rationale

One research paper on an important work or author showing the student's ability to analyze critically, sustain an argument for no fewer than 2500 words, and evaluate and synthesize secondary sources documented according to appropriate documentation style.

Equipment

No Value

Textbooks

Author

Title

Publisher

Date

ISBN

No Value

No Value

No Value

No Value

No Value

Other Instructional Materials

Description

Author

Citation

No Value

No Value

No Value

Materials Fee

No value

Learning Outcomes and Objectives

Course Objectives

No value

CSLOs

Critically analyze and develop a topic appropriate for intensified study.

Expected SLO Performance: 70.0

Use new, university-level vocabulary relevant to the topic covered in the course.

Expected SLO Performance: 70.0

Locate and critically evaluate appropriate academic sources, incorporate research from both primary and secondary resources, and use appropriate documentation style.

Expected SLO Performance: 70.0

Outline

Course Outline

A. Analyze a topic appropriate for intensified study.

Instructors may choose from the following list of courses:

1. MATH C121: Elementary Probability and Statistics
2. MATH C130: Finite Mathematics
3. MATH C131: Basic Functions and Calculus for Business
4. MATH C141: College Algebra
5. MATH C151: Analytic Geometry and Calculus I
6. MATH C152: Analytic Geometry and Calculus II
7. MATH C251: Analytic Geometry and Calculus III
8. MATH C255: Ordinary Differential Equations
9. MATH C257: Linear Algebra

B. Synthesize and employ university-level readings in developing a sound 2500-word research paper.

1. Planning
 - a. Identifying the main issue, claim, and evidence
 - b. Identifying audience
 - c. Determining effective organization strategies
2. Composing
 - a. Synthesis and analysis
 - b. Effectively incorporating research
 - c. Introduction
 - d. Development
 - e. Conclusion
3. Revising:
 - a. Organization
 - b. Clarity
 - c. Emphasis
 - d. Style
 - e. Grammar

C. Use proper research methods for discipline and topic:

1. Critical evaluation of sources of information.
 - a. Primary sources
 - b. Secondary sources:
 - i. Peer-reviewed articles
 - ii. Scholarly books
 - iii. Encyclopedias
 - iv. Web sources
2. Documentation system and format
 - a. Page layout
 - b. Essay organization
 - c. Works cited page
3. Developing a thesis
 - a. Topic choice
 - b. Thesis structure
 - c. Evidence

Delivery Methods and Distance Education

Delivery Method: Please list all that apply -Face to face -Online (purely online no face-to-face contact) -Online with some required face-to-face meetings ("Hybrid") -Online course with on ground testing -iTV – Interactive video = Face to face course with significant required activities in a distance modality -Other

Face-to-face

Rigor Statement: Assignments and evaluations should be of the same rigor as those used in the on-ground course. If they are not the same as those noted in the COR on the Methods of Evaluation and out-of-class assignments pages, indicate what the differences are and why they are being used. For instance, if labs, field trips, or site visits are required in the face to face section of this course, how will these requirements be met with the same rigor in the Distance Education section?

No value

Effective Student-Instructor Contact: Good practice requires both asynchronous and synchronous contact for effective contact. List the methods expected of all instructors teaching the course. -Learning Management System -Discussion Forums -Moodle Message -Other Contact -Chat/Instant Messaging -E-mail -Face-to-face meeting(s) -Newsgroup/Discussion Board -Proctored Exam -Telephone -iTV - Interactive Video -Other (specify)

No value

Software and Equipment: What additional software or hardware, if any, is required for this course purely because of its delivery mode? How is technical support to be provided?

No value

Accessibility: Section 508 of the Rehabilitation Act requires access to the Federal government's electronic and information technology. The law covers all types of electronic and information technology in the Federal sector and is not limited to assistive technologies used by people with disabilities. It applies to all Federal agencies when they develop, procure, maintain, or use such technology. Federal agencies must ensure that this technology is accessible to employees and the public to the extent it does not pose an "undue burden". I am using -iTV—Interactive Video only - Learning management system -Publisher course with learning management system interface.

No value

Class Size: Good practice is that section size should be no greater in distance ed modes than in regular face-to-face versions of the course. Will the recommended section size be lower than in on-ground sections? If so, explain why.

No value