Course ID: MATH R199
Curriculum Committee Approval Date: 10/26/2016
Catalog Start Date: Fall 2017

COURSE OUTLINE

OXNARD COLLEGE

I. Course Identification and Justification:
   A. Proposed course id: MATH R199
      Banner title: Directed Studies in Math
      Full title: Directed Studies in Math

      Previous course id: MATH R199
      Banner title: Directed Studies in Math
      Full title: Directed Studies in Math

   B. Reason(s) course is offered:
      This course will provide individual students with opportunities for additional growth and experience in a selected area within the mathematics field. It also provides transfer credit for CSU.

   C. Reason(s) for current outline revision:
      5 year review

   D. C-ID:
      1. C-ID Descriptor:
      2. C-ID Status: Not Applicable

   E. Co-listed as:
      Current: None
      Previous:

II. Catalog Information:
   A. Units:
      Current: 1.00 to 3.00
      Previous: 1.00 to 3.00

   B. Course Hours:
      1. Weekly Meeting Hours:
         Current: Lecture: 1.00 to 3.00 Lab: Other:
         Previous: Lecture: 1.00 to 3.00 Lab: Other:

      2. Total Contact Hours:
         Current: 16.00 to 54.00
         Previous: 16.00 to 54.00

   C. Prerequisites, Corequisites, Advisories, and Limitations on Enrollment:
      1. Prerequisites
         Current:
         MATH R014: Intermediate Algebra or
         MATH R033: Pathway to STEM
         Previous:
         MATH R014: Intermediate Algebra

2. Corequisites
   Current:
   Previous:

3. Advisories:
   Current:
   Previous:

4. Limitations on Enrollment:
   Current:
   Previous:

D. Catalog description:
Current:
This transfer-level course is designed for students interested in furthering their knowledge on an independent study basis. Topics will vary, depending on the individually designed plan of study and project(s), including a weekly consultation with the instructor.

Previous, if different:
This transfer-level course is designed for students interested in furthering their knowledge on an independent study basis. Topics will vary, depending on the individually designed plan of study and project(s), including a weekly consultation with the instructor.

E. Fees:
Current: $ None
Previous, if different: $

F. Field trips:
Current:
Will be required: [ ]
May be required: [X]
Will not be required: [ ]

Previous, if different:
Will be required: [ ]
May be required: [ ]
Will not be required: [ ]

G. Repeatability:
Current:
A - Not designed as repeatable
Previous:
1 -

H. Credit basis:
Current:
Letter Graded Only [ ]
Pass/No Pass [ ]
Student Option [X]

Previous, if different:
Letter Graded Only [ ]
Pass/No Pass [ ]
Student Option [ ]

I. Credit by exam:
Current:
Petitions may be granted: [ ]
Petitions will not be granted: [X]

Previous, if different:
Petitions may be granted: [ ]
Petitions will not be granted: [ ]

III. Course Objectives:
Upon successful completion of this course, the student should be able to:
A. To be established by the instructor after the project and course of study have been determined

IV. Student Learning Outcomes:

V. Course Content:
Topics to be covered include, but are not limited to:
A. Advanced topics to be established during consultation with the instructor
B. Individual mathematics projects and a plan for completion
C. Designated plan of study and project(s), including a weekly consultation with instructor
D. Final evaluation of student's achievement with respect to established plan

VI. Lab Content:
None

VII. Methods of Instruction:
Methods may include, but are not limited to:
A. Instructor and student development of the methods of instruction once content of directed project is established
B. A final written report on the designated topic(s) of study

VIII. Methods of Evaluation and Assignments:
A. Methods of evaluation for degree-applicable courses:
Essays [X]
Problem-Solving Assignments (Examples: Math-like problems, diagnosis & repair) [X]
Physical Skills Demonstrations (Examples: Performing arts, equipment operation) [ ]

For any course, if "Essays" above is not checked, explain why.

B. Typical graded assignments (methods of evaluation):
1. Graded problems that reflect the outcomes established by the student and instructor
2. Final written report or project on the topic(s) of study

C. Typical outside of classroom assignments:

1. Reading
    a. Students may be required to do outside readings in one or more textbooks that are chosen for the individual plan of study
    b. Journal readings related to project topics
    c. Websites related to project topics
2. Writing
    a. A final written report may reflect the project established by the student and instructor
3. Other
    a. Assignments as determined through consultation with the instructor

IX. Textbooks and Instructional Materials:
A. Textbooks/Resources:
1. College level materials as determined by the individual plan of study
2. Computer with software capabilities such as Mathematica or Maple
3. Graphing calculator (such as TI-83, TI-84 or TI-89)
B. Other instructional materials:

X. Minimum Qualifications and Additional Certifications:
A. Minimum qualifications:
1. Mathematics (Masters Required)
B. Additional certifications:
1. Description of certification requirement:
2. Name of statute, regulation, or licensing/certification organization requiring this certification:

XI. Approval Dates
Curriculum Committee Approval Date: 10/26/2016
Board of Trustees Approval Date: 10/26/2016
State Approval Date: 04/24/2017
Catalog Start Date: Fall 2017

XII. Distance Learning Appendix
A. Methods of Instruction
Methods may include, but are not limited to:

B. Information Transfer
Methods may include, but are not limited to: