1. Catalog Description of the Course.  [Follow accepted catalog format.]
   (If Cross-listed please submit prefixes for each discipline being modified)

   **OLD**
   Prefix EDSS  Course# 531  Title Teaching Mathematics in Middle Schools  Units (3)
   3 hours lecture per week
   3 hours blank per week

   ☑ Prerequisites: Admission into the Single Subject Credential Program
   ☑ Corequisites: EDSS 570 (1-2 units) or EDSS 575

   Description (Do not use any symbols): A study of content, methodology, materials and current research in teaching middle school mathematics. Focuses on the state curricular mathematics frameworks appropriate for middle school classrooms. Emphasizes reflective practice based on California Standards for the Teaching Profession and the use and alignment of curricula to the Academic Content Standards for California Public Schools. Includes an emphasis on teaching in multicultural, multilingual and inclusive classrooms.

   Graded
   Gen Ed Categories
   Lab Fee Required
   Hegis Code

   **NEW**
   Prefix EDSS  Course# 531  Title Teaching Mathematics in Middle Schools  Units (3)
   3 hours lecture per week
   3 hours blank per week

   ☑ Prerequisites: Admission into the Single Subject Credential Program
   ☑ Corequisites: EDSS 570, EDSS 580, EDSS 575, or EDSS 585

   Description: A study of content, methodology, materials and current research in teaching middle school mathematics. Focuses on the state curricular mathematics frameworks appropriate for middle school classrooms. Emphasizes reflective practice based on California TEACHER PERFORMANCE EXPECTATIONS and the use and alignment of curricula to the Academic Content Standards for California Public Schools. Includes an emphasis on teaching in multicultural, multilingual and inclusive classrooms.

   Graded
   Gen Ed Categories
   Lab Fee Required
   Hegis Code

2. Mode of instruction (Hours per Unit are set for you)

   **Existing**
   **Proposed**

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<th>Benchmark Enrollment</th>
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3. Course Content in Outline Form if Being Changed.  [Be as brief as possible, but use as much space as necessary]

   **OLD**
   Data Analysis & Statistics

   **NEW**
   Data Analysis & Statistics
Communicating mathematically, Balanced Assessment, Rubric scoring & Portfolios
Dev. Early Number Sense: Problem Types
Facts & Foundational Skills & Strategies
Fractions
Connections between Fractions, Decimals & Percents;
Developing Concepts of Ratio & Proportion
Geometry
Measurement
Technology Tools for Deepening Understanding
Literacy in Mathematics; ELD Strategies – Access for All
Algebraic Reasoning
Pattern & Function Connections – Linear & Non-linear
Functions
Integers
Exponents & Exponential Functions
Probability

4. Justification and Learning Objectives for the Course. (Indicate whether required or elective, and whether it meets University Writing, and/or Language requirements) [Use as much space as necessary]

OLD
This is a required course for students seeking a Single Subject Credential in Mathematics. Through this course, students will be able to
• Identify important issues of modern middle school mathematics curriculum
• Align lessons and lesson plans to the California State Academic Content Standards
• Apply effective teaching techniques to the instruction of pre-algebra, algebra and pre-calculus
• Recognize and utilize effective problem solving approaches to teaching algebra
• Discuss pedagogy and demonstrate teaching methods for various student levels and a diverse student population in middle schools
• Use modern technology and mathematics software in the classroom
• Develop a variety of means of evaluating student needs and student learning.

NEW
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• Discuss pedagogy and demonstrate teaching methods for various student levels and a diverse student population in middle schools
• Use modern technology and mathematics software in the classroom
• Develop a variety of means of evaluating student needs and student learning.

5. References. [Provide 3-5 references on which this course is based and/or support it.]

OLD

NEW

6. Indicate Changes and Justification for Each. [Check all that apply and follow with justification. Be as brief as possible but, use as much space as necessary.]

☐ Course title
☐ Prefix/suffix
☐ Course number
☐ Units
☐ Staffing formula and enrollment limits
☒ Prerequisites/corequisites
☒ Catalog description
☐ Course content
Justification: Corequisites changed to reflect program flexibility for full and part-time students as well as fall and spring start students. Program description reflects emphasis on Teacher Performance Expectations set forth by the California Commission on Teacher Credentialing

7. □ General Education Categories: All courses with GE categories notations (including deletions) must be processed at the GE website: [http://summit.csuci.edu/geapproval](http://summit.csuci.edu/geapproval). Upon completion, the GE Committee will forward your documents to the Curriculum Committee for further processing.

   A (English Language, Communication, Critical Thinking)
   - A-1 Oral Communication
   - A-2 English Writing
   - A-3 Critical Thinking

   B (Mathematics, Sciences & Technology)
   - B-1 Physical Sciences
   - B-2 Life Sciences – Biology
   - B-3 Mathematics – Mathematics and Applications
   - B-4 Computers and Information Technology

   C (Fine Arts, Literature, Languages & Cultures)
   - C-1 Art
   - C-2 Literature Courses
   - C-3a Language
   - C-3b Multicultural

   D (Social Perspectives)

   E (Human Psychological and Physiological Perspectives)

   UD Interdisciplinary

8. New Resources Required. YES □ NO ☒ If YES, list the resources needed and obtain signatures from the appropriate programs/units on the consultation sheet below.

   a. Computer (data processing), audio visual, broadcasting needs, other equipment

   b. Library needs

   c. Facility/space needs

9. Will this course modification alter any degree, credential, certificate, or minor in your program? YES □ NO ☒ If, YES attach a program modification form for all programs affected.

10. Effective Date (Semester and Year – all modifications submitted prior to November 9th will be effective in the Fall 2008 catalog): Fall 2008

    Jeanne M. Grier ___________________________ 10/15/2007
    Proposer of Course Modification                Date
Approvals
Program/Course:

_________________________________________________________
Program Chair(s)     Date

_________________________________________________________
General Education Chair(s)     Date

_________________________________________________________
Curriculum Committee Chair(s)     Date

_________________________________________________________
Dean of Faculty     Date