California State University, San Marcos FORM E–T

• AUTHORIZATION TO OFFER TOPICS COURSES FOR ACADEMIC CREDIT
THROUGH EXTENDED STUDIES •

(Note: Extended Studies sections of topic classes for which the appropriate form E-T is not on file in the Office of Academic Programs will be removed from BANNER as periodic audits of course offerings are performed.)

Note: Any proposed topic can only be offered two times before being converted to a non-topics course. Academic Programs will assign the appropriate suffix and edit the topic description provided.

1. College of: <u>Education</u>   2. Center/Program/Department: <u>Education</u>

3. Instructor_____<u>Brian Lawler</u>_____
    (If more than one instructor will be teaching the course, list full name of the "instructor of record.")

4. Topic Abbreviation and Number: <u>EDUC 591 EX Topics In Education</u>_____

6. Term Summer_   7. Year 2010_   8. Variable Units*___1_____

9. Has this topic been offered previously? ____Yes   _X__No   If yes, indicate term(s)_____Year_____

10. Topic Title: General Mathematics in Education

11. **Topic Description: Note: This part can be skipped if answer to part 9 is "yes." (NOTE:** Please provide **detailed** information about the topic. **Please type.** You may also attach the topic description on a separate sheet if you do not have enough space.

    The purpose of this course is to improve participants' content knowledge and pedagogy as they relate to grades 6-12 mathematics education. Content topics include Geometry and Geometric Thinking. Pedagogical instruction will be aligned to content and will include, but will not be limited to, problem based learning, maintenance of cognitive demand, utilizing groupwork in heterogeneous classrooms, and differentiated instruction for English language learners to enhance the teaching and learning of mathematics.

    Course Objectives:
    ∞   Further develop mathematical content knowledge for teaching, especially in the areas of Geometry. This outcome will be achieved by active participation, interaction with, and instruction from CSUSM professors. Professors will deliver content and engage students in guided inquiry into key topics in these areas.
    ∞   Understand characteristics of Geometric Thinking. This outcome will be achieved through course readings followed by discussion and connection to content-specific activities. Students will collect evidence of student work demonstrating these characteristics.
    ∞   Utilize effective, research-based strategies for teaching mathematics. This outcome will be achieved by active participation on behalf of the students as they experience these strategies as students themselves. Relevant research and modeling will take place with each strategy so by the end of the summer institute the participants will feel comfortable utilizing some of these same strategies with their students.

    Evaluation:
    ∞   Attend and participate in all sessions, both face-to-face and site-based.
    ∞   Participate in all daily pedagogy and articulation activities
    ∞   Complete all content related readings and similar assignments.
    ∞   Write a daily reflection based on their learnings each day.
    ∞   Submit a portfolio demonstrating the significant learnings during the course.

12. Does this topic have prerequisites? No

13. Does this topic have co-requisites? No

14. Does the topic require consent for enrollment?_X__Yes ____No

15. Is topic crosslisted:_____Yes ____X____No If yes, indicate which course_____and obtain signature in #18.

16. What resources are needed to offer this topic (including technology)? None.

17. Justification for offering this topic.

The course was requested by Vista Unified School District and will be a Contract Credit Special Topics course offered to teachers in VUSD.

* Enter units only if this is a variable-units topic course.

18. Does this topic impact any other disciplines? Note: This number can be skipped if answer to part 9 is "yes."

_____Yes __X__No   If yes, obtain signature(s). Any objections should be stated in writing and attached to this form.

Mathematics ____see email_ _5/26/10_ _✓_Support _____Oppose
Discipline   Signature   Date

_____ _____ _____ _____Support _____Oppose
Discipline   Signature   Date

19. Location (if topic not offered at main campus) _____Vista Unified School District_____

20. Is this course being offered on-line? _____Yes   __X__No

21. Is this a contract topic? __X__Yes _____No

22. Enrollment Limit_____40_____

23. Requested Bldg/Room _____N/A_____
    Please call Extended Studies first to reserve the room.

Please note: A separate Form E-T must be submitted for each section offered.

SIGNATURES

1. Program/Center/Department – Director/Chair   Date _____

2. College Dean (or Designee)   Date _5/12/10_

The academic credentials of the instructor listed above are known to the Program/Center/Department (either regular faculty, or adjunct faculty with a curriculum vitae on file in the Program/Center/Department Office). The instructor is qualified to deliver the topic as described in part 9 (or on a previous Form T or Form E-T in the case of a topic that has already been offered).

3. Dean of Extended Studies (or Designee)   Date _5/17/10_

Completed form received in the Office of Extended Studies

4. Associate Vice President for Academic Affairs – Academic Programs   Date _5/26/10_

Ͻm:	Ricardo Fierro
nt:	Wednesday, May 26, 2010 12:51 PM
To:	Virginia Mann
Cc:	David Barsky
Subject:	RE: General Mathematics in ED - through Extended Learning

Hi Virginia,
Thanks for sending it. There are no concerns with this proposal.
--Rick

Ricardo D. Fierro, Ph.D.
Professor & Chair
Department of Mathematics
California State University, San Marcos
San Marcos, CA 92096

ph: 760 750-4158

From: Virginia Mann
Sent: Wednesday, May 26, 2010 11:36 AM
To: Ricardo Fierro
Cc: David Barsky
Subject: General Mathematics in ED - through Extended Learning

Hello Rick,

Attached is a 1-unit topic course that Extended Learning would like to offer this summer: General Mathematics in Education. Please let me know if your Department has any comments or concerns regarding this course.

Thanks,
Virginia

Virginia Peters Mann
Curriculum Specialist
Academic Programs
CSU San Marcos
Tel: (760) 750-8887