• 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>COAS</u>   2. Center/Program/Department: <u>Computer Science and Information Systems</u>

3.   Instructor <u>Rocio Guillen</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>ST CS200 ~3</u>   5. Grading Method <u>Letter Grade</u>

6.   Term <u>Spring</u>   7. Year <u>2011</u>   8. Variable Units* <u>2</u>

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

10.   Topic Title: <u>Optimization Basics</u>

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.
       Introduction to basic concepts in Linear Programming, Simplex Method, Network Models and Heuristic Programming. Theoretical aspects include duality, optimality conditions, and sensitivity analysis.

12.   Does this topic have prerequisites? MATH374 Linear Algebra or equivalent

13.   Does this topic have co-requisites? No

14.   Does the topic require consent for enrollment?____Yes __X_No
       _____Faculty _____Credential Analyst _____Dean_____Program/Center/Department - Director/Chair

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)?

17.   Justification for offering this topic.

Agreement between CSUSM and DHBW to offer three courses in the spring term of 2011 to a cohort of 20 students.

* 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*_____ 11/15/10 ___✓__Support _____Oppose
Discipline   Signature   Date

_____ _____ _____Support _____Oppose
Discipline   Signature   Date

19. Location (if topic not offered at main campus) _____

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

21. Is this a contract topic? __X__Yes _____No

22. Enrollment Limit_____20_____

23. Requested Bldg/Room _____
    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   /0/21/2010
                                                    Date

2. College Dean (or Designee)   11/1/2010.
                                                    Date

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)   10/26/10
                                                    Date

Completed form received in the Office of Extended Studies

4. Associate Vice President for Academic Affairs – Academic Programs   Date 11/15/10

Note: Mathematics asks to review this course again if it is to be offered a second time.

ʾm:	Ricardo Fierro
ʾt:	Monday, November 15, 2010 3:56 PM
To:	Virginia Mann
Subject:	RE: MATH Sign off - CS course

Hi Virginia,

The Dept of Mathematics offers a similar course, called Math 480 Intro to Optimization.

So this course indeed impacts other disciplines (note that the Form E-T says No to Question 18).

However, we are not scheduled to offer this course until Fall 2012, so we do not object to this temporary course.
We assume this course is offered for just Spring 2011.

Please forward future proposals that involve mathematics courses to the Dept of Mathematics.

--Rick

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

www.csusm.edu/math

From: Virginia Mann
ʾt: Monday, November 15, 2010 3:21 PM
ɪo: Ricardo Fierro
Subject: MATH Sign off - CS course

Hello Rick,

Computer Science is proposing the attached topic course through Extended Learning. Please let me know as soon as possible if Mathematics has any comments or concerns regarding this course.

Thank you,

Virginia

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