

• Authorization To Offer Non-Degree Extension Credit Course Through Extended Studies•

1. Desired Term: Spring 2008		Year of implementation: 2008													
2a. Course abbreviation and Number: EDUC E1077		2b. Abbreviated Title: (No more than 25 characters, including spaces) Algebraic Teaching with Graphing Calculators													
		4. Number of Units: 2	5. Billing Units: 2 (\$80)												
6. Allowed Student Levels: UG X GR X EE X (Default is to check all three levels)															
7. Grading Method: <input type="checkbox"/> N Normal (N) (Default is Letter Grade +/-, Students may request Credit/No Credit) <input type="checkbox"/> Normal Plus Report-in-Progress (NP) (As for Normal; also allows Report-in-Progress) <input type="checkbox"/> Credit/No Credit Only (C) <input type="checkbox"/> Credit/No Credit or Report-in-Progress Only (CP)															
8. Mode of Instruction: (See pages 17-23 at http://www.calstate.edu/cim/data-element/APDB-Transaction-DED-SectionV.pdf for definitions of the Course Classification Numbers)		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Type of Instruction</th> <th>Number of Credit Units</th> <th>Instructional Mode (Course Classification Number)</th> </tr> </thead> <tbody> <tr> <td>Lecture</td> <td style="text-align: center;">2</td> <td>C-02</td> </tr> <tr> <td>Activity</td> <td></td> <td></td> </tr> <tr> <td>Lab</td> <td></td> <td></td> </tr> </tbody> </table>		Type of Instruction	Number of Credit Units	Instructional Mode (Course Classification Number)	Lecture	2	C-02	Activity			Lab		
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Lecture	2	C-02													
Activity															
Lab															
9. Attributes: Course Requires Consent for Enrollment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Faculty <input type="checkbox"/> Credential Analyst <input type="checkbox"/> Dean <input type="checkbox"/> Program/Department - Director/Chair															
Prerequisites: _____ Co-requisites: _____															
10. Does this course impact other discipline(s)? (If there is any uncertainty as to whether a particular discipline is affected, check "yes" and obtain signature.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, obtain signature(s). Any objections should be stated in writing and attached to this form.															
<u>Math</u>	<u>(see email)</u>	<u>2/14/08</u>	<input checked="" type="checkbox"/> Support <input type="checkbox"/> Oppose												
Discipline	Signature	Date													
_____	_____	_____	<input type="checkbox"/> Support <input type="checkbox"/> Oppose												
Discipline	Signature	Date													

Important : Please Complete

1. Instructor: Lee Kucera, Ph.D.

2. Extension Course Proposal Form attached

SIGNATURES: (COLLEGE LEVEL)

N/A
1. Program Director/Chair Date

[Signature]
2. College Dean (or Designee) Date

(UNIVERSITY LEVEL)

[Signature] 02/11/08
3. Dean of Extended Studies (or Designee) Date

[Signature] 2/10/08
4. Vice President for Academic Affairs (or Designee) Date
By ME Stumm

PS
2/15/08



OFFICE OF EXTENDED STUDIES EXTENSION COURSE PROPOSAL FORM

In planning the components of our Extended Studies program at Cal State San Marcos, this office consults closely with the academic colleges and departments to determine the suitability of course content, teaching methods and instructor qualifications. To assist us in evaluating your proposed course for credit, please submit this completed form to our office as soon as possible. Questions before you submit? Call me at (760) 750-8713.

- **Course Title:** Using Graphing Calculators to Teach California AP and Pre-AP Math Standards
- **Course Description:**
Participants will learn to make better use of TI-84 graphing calculator technology in high school math classes. The course will look at various features graphing calculators, applications available, ways to display and use technology with students and related technology (TI-Nspire) for use in high school mathematics classes. Activities will be linked to the California mathematics standards.
- **Course Objectives:** *(Provide specific student learning outcomes and how they will be achieved.)*
Participants will become more familiar with features and use of graphing calculators, graphing calculator applications and related technology for use in high school mathematics classes. The class will be taught by instructor demonstration followed by participant practice. TI-84+ graphing calculators will be available for use in class.
- **Evaluation:**
Participation in class and completion of assigned activities and lessons.
- **Course Length:** *(How many actual contact hours in class? Note: Credit courses must contain a minimum of fifteen 50-minute contact hours for each semester unit of credit, and outside of class work by students is required)*
The four sessions – 7+ hours in length
- **Proposed Date(s):** November 7, 2007, December 12, 2007, February 12, 2008, March 5, 2008
- **Location:** *(Indicate if you are proposing this course to be scheduled and offered in our facilities, or if this course is to be held at an off-campus location, such as a school, district or county office, company, etc.)*
San Diego County Office of Education—North County Regional Education Center
- **Support Needs:**
LCD Projector—instructor will provide own laptop
- **Comments:** *(Please add any other relevant information, such as whether or not the course has been taught elsewhere successfully, why the course is needed in our area, marketing suggestions, etc.)*
It was taught last year but not for university credit. NCPDF and SDCOE handles the marketing in conjunction with Texas Instruments.

When completed, please return this form, along with an up-to-date resume (with teaching references) to:
Catherine Boyle Asker, Office of Extended Studies, Cal State San Marcos, 333 S. Twin Oaks Valley Rd., San Marcos, CA 92096; FAX: (760)750-3138; E-mail: cboyle@csusm.edu

Lee E. Kucera, Ph.D.

Current assignment – Math Department Chair, GATE Coordinator, Teacher: AP Statistics and IB Math Studies

Capistrano Valley High School 985 Balboa Avenue
26301 Via Escolar Laguna Beach, CA 92651
Mission Viejo, CA 92692 949.499.3823
949.364.6100 x2320 949.422.7567 cell
lekucera@cox.net or lekucera@capousd.org

Education

U.C.L.A.	Psychology/Math	A.B.	1970
U.C.L.A.	Educational Research	graduate units	
U.C.I.	Education	Credentials	1973
U. of San Francisco	Secondary Education	M.A.	1979
Berne University	Mathematics Education	Ph.D.	1998

Professional Organizations/Affiliations

American Statistical Association—member, conference attendance
National Council of Teachers of Mathematics, California Mathematics Council, Orange County Mathematics Association—conference attendance, presenter, past state officer
T³ Regional Instructor—Texas Instruments

Staff Development/Curriculum

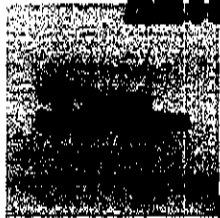
Attended NCSSM 3-week workshop—Beyond AP Statistics, 1999; member of activity writing team that developed JMP Intro Activities, 2001; attended Experimental Design Workshop, 2004
Wrote Mentor project to develop curriculum for A.P. Statistics—Capistrano USD, 1995
College Board Certified International Workshop leader—present both one- and two-day College Board workshops in AP Statistics—Western region and internationally (Singapore); four- and five-day College Board approved workshops (U. Montana—Billings, CSU-Sacramento, Stanford U., Bellevue, U. Utah, CSU San Marcos, Honolulu) workshops for AP Statistics teachers: 2000—ongoing
Attended IB Mathematical Studies training: 2004 (Level 1), 2006 (Level 2)
Intern Teacher Mentor through CSU Fullerton: 2005
BTSA Support Provider and Master Teacher: 2006—ongoing
Participant in CSU Fullerton Professional Development Resources Online for Mathematics: 2005-06
Reviewer for AP Central Teachers' Resources section and numerous AP Statistics textbook and review book publishers: 2003—ongoing
Wrote AP Statistics Audit syllabus for Capistrano USD: 2006
Workshop Speaker CMC-SS and GSDMC: 1975—82, 2007; OCMA Conference: 1980's, 2007
CUSD Professional Development Speaker: 1997—ongoing
TI-nspire 2-day preview, 3-day training, AP Consultant Training: 2007
T³ Graphing Calculator AP Workshop Series, North San Diego County, Presenter: 2007-08

Math Standards/Assessment

Reader for AP Statistics: 7 years, 1997—present
Reader, Table Leader and question writer for California Golden State Exam: 1992-99
Item-writer for NSE—items for the North Carolina State mathematics exams: 1994-5
Item-writer for Orange County Department of Education, CAHSEE test bank: 2002

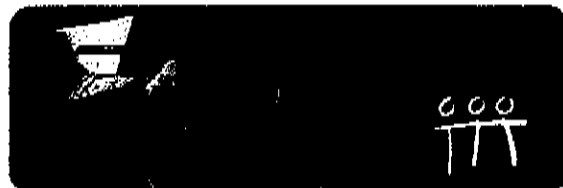
Advanced Placement Consortium Project

In Association with Texas Instruments



Present

T³ - Teachers Teaching with Technology
Graphing Calculator - Advanced Placement Workshop Series



Algebra II & Pre-Calculus with TI-83+ and TI 84+ for High School Teachers
Grade level teams strongly encouraged to attend

Objectives:

- Improve your TI-Graphing Calculator skills
- Key Algebra II & Pre-Calculus classroom activities aligned to state standards
- Effective technology-based activities that engage students in standards-based learning
- Prepare students for Advanced Placement through calculator activities and problem solving

Dates: Wednesday, November 7, 2007
Wednesday, December 12, 2007
Wednesday, February 12, 2008 (CSUSM)
Wednesday, March 5, 2008

Times: 8:30 a.m. - 3:30 p.m.

Cost: No cost to ACP and NCPDF members (see list on back)
\$200 for non-members for all 4 sessions

Meals: Continental Breakfast and Snacks Provided (Lunch on your own)

Location: North County Regional Educational Center (NCREC), 255 Pico Ave, Suite 101,
San Marcos, CA 92069 Directions at: <http://www.ncpdf.org/map.asp>

CEU credits available - CSU San Marcos

For more information, please call Arturo Cabello, 760-761-5184

Attend all 4-days and
receive a Graduation Gift-
TI-Smartview™ Emulator
Software - \$135.00 Value

APCP T3/Texas Instruments

Registration deadline: November 1, 2007

Name _____ Title/Subject: _____

District: _____ School Site: _____

P.O. #: _____ Email: _____

To register, please return/fax completed form to: Attn: Chris Ness, FAX 760-744-6293



SAN DIEGO COUNTY
OFFICE OF EDUCATION

Virginia Mann

From: Linda Holt
Sent: Thursday, February 14, 2008 1:37 PM
To: Virginia Mann
Subject: Re: Algebraic Teaching - Extended Ed Course

Hi Virginia,
Thanks for sending this. I have no concerns about it.
Linda

On 2/14/08 11:07 AM, "Virginia Mann" <vmann@csusm.edu> wrote:

Hi Linda,

Extended Learning would like to offer the attached course – Algebraic Teaching with Graphing Calculators. Please let us know if you have any comments or concerns regarding this course.

Thanks,
Virginia

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