



The Mathematics and Science Teacher Initiative (MSTI) at California State University, Fresno announces...

Math and Science CSET Workshops & Teaching Methods Courses for Prospective Mathematics and Science Teachers

Summer 2011-Spring 2012

<http://csufresno.edu/teachmathscience>

The Mathematics and Science Teacher Initiative (MSTI) at Fresno State would like to announce the availability of a series of mathematics and science content workshops and teaching methods courses for **prospective teachers of mathematics and science at the middle and/or high school levels**. These workshops and courses are particularly appropriate for those currently holding or pursuing a Multiple Subject credential, although Single Subject credential holders may be interested in adding an authorization to their credential.

Below and on the next two pages, you will find information about Single Subject mathematics and science credentials, as well as current information about the workshops and courses. Visit the **MSTI Web site** for information and updates: <http://csufresno.edu/teachmathscience> Look in the “Announcements” area.) Also, feel free to contact the MSTI Director, Dr. Carol Fry Bohlin, with any questions: carolb@csufresno.edu

Single Subject Mathematics and Science Credentials

(Note: If you are not in a teaching credential program or do not already hold a credential, you should first contact the Education Student Services Center at Fresno State for initial advising: 559-278-0300.)

- **Foundational-Level Math (FLM):** Allows you to teach through algebra and geometry at any grade level, but intended primarily for those who wish to teach middle school math – Algebra I and below. Single Subject (SS) credential holders (in an area other than mathematics) and Multiple Subject (MS) credential holders need to (a) pass CSET: Mathematics Subtests I and II (#110 and 111) and (b) take the foundational-level mathematics teaching methods course. At Fresno State, this course is CI 161/FLM (Summer '11; Spring '12).
- **Mathematics:** Allows you to teach all math courses through AP Calculus. SS teachers need to pass CSET: Math Subtests I, II, & III (#110-112). MS teachers must (a) pass the tests and (b) take CI 161/Math (Fall '11).
- **Foundational-Level General Science (FLGS):** Allows you to teach introductory and general science, introductory life science, and introductory physical science in grades K-12 and integrated science in grades K-8. Single Subject teachers need to pass CSET: Science Subtests I and II (#118 and 119). MS teachers need to (a) pass the subtests and (b) take a SS methods course (CI 161/FLGS, Summer '11; possibly Spring '12).
- **Science:** A full Single Subject Science Credential allows you to teach introductory life and general science; integrated science I, II, III; plus biology/life science (biology option), earth and planetary science (earth sciences option), chemistry (chemistry option), and/or physics (physics option). Authorization in more than one area is possible and encouraged to increase instructional and employment options. Multiple Subject or non-science SS teachers who desire a SS Science Credential (or an additional authorization area) must pass CSET: Science Subtests I and II (General Science) and CSET: Science Subtest III (in biology, chemistry, physics, or earth/planetary science). Additional authorizations can then be added by passing CSET: Science Subtest III in other areas of science. Alternatively, MS and SS teachers can add a SS Science (Specialized) Credential by passing CSET: Science Subtests III and IV in the desired area(s). In addition to passing CSET: Science Subtests I-III (or III and IV), MS teachers would also need to take CI 161/Science (SS science teaching methods course) offered during the fall semester at Fresno State. (Those interested in taking this course should first contact the instructor, Dr. David Andrews, at davidan@csufresno.edu)

CSET Mathematics and Science Preparation Workshops & Teaching Methods Courses

All workshops/classes held on the campus of California State University, Fresno ~ 2011-2012



MSTI's CSET: Mathematics Subtest I-III Workshops

Note #1: Because MSTI is a grant received from the CSU Chancellor's Office, the fee for each mathematics workshop is only **\$25** (total) for Fresno State students or for credentialed teachers who will process the paperwork for their new credential through Fresno State's credential office (Kremen Education–Room 151). This will apply to the vast majority of workshop attendees, including current teachers. The workshop fee for who do not process their credential through Fresno State's credential office (e.g., those currently earning an initial credential in Single Subject Mathematics through another university) is **\$150** (total).

Note #2: If you are interested in being notified about a particular workshop, email May Lee at maylay@mail.fresnostate.edu **Registration is on a first-come, first-served basis.** Space is reserved in the order of the date that payment is received. **To register**, mail a check (payable to SJVMP) to May Lee; 5005 N. Maple Ave., M/S ED 2; Fresno, CA 93740-8025; or bring a check to Kremen Education–Room 250 for May Lee (c/o SJVMP).

CSET: Mathematics Subtest I (Algebra)

- **Instructor:** Dr. Oscar Vega (ovega@csufresno.edu)
- **Dates:** Monday-Friday – June 13-17, June 20-24, and June 27-July 1, 2011 • **Time:** Noon-3:00 p.m.
- **Location:** Fresno State – Science II, Rm. 207: <http://cmap.csufresno.edu/website/campus/viewer.htm>

CSET: Mathematics Subtest II (Geometry)

- **Instructor:** Dr. Oscar Vega (ovega@csufresno.edu)
- **Dates:** Monday-Friday – June 13-17, June 20-24, and June 27-July 1, 2011 • **Time:** 3:30-6:30 p.m.
- **Location:** Fresno State–Science II, Rm. 207: <http://cmap.csufresno.edu/website/campus/viewer.htm>

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CSET: Mathematics Subtest II (Geometry)

- **Instructor:** Dr. Lance Burger (lburger@csufresno.edu)
- **Dates:** Monday-Friday – July 11-15, July 18-22, and July 25-29, 2011 • **Time:** Noon-3:00 p.m.
- **Location:** Fresno State–TBA (May Lee will email you with the room when it is determined.)

CSET: Mathematics Subtest I (Algebra)

- **Instructor:** Dr. Lance Burger (lburger@csufresno.edu)
- **Dates:** Monday-Friday – July 11-15, July 18-22, and July 25-29, 2011 • **Time:** 3:30 - 6:30 p.m.
- **Location:** Fresno State–TBA (May Lee will email you with the room when it is determined.)

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CSET: Mathematics Subtest III (Calculus, History of Math)

- **Instructors:** Drs. Adnan Sabuwala (asabuwala@csufresno.edu) and Agnes Tuska (agnost@csufresno.edu)
- **Dates/Times:** September and October 2011 (specific dates/times TBA) The workshop will be scheduled to target the November 5, 2011 administration of the CSET (<http://www.cset.nesinc.com/>).
- **This document will be updated and posted to the MSTI Web site when the dates have been determined.**

MSTI's CSET: Science Subtest I-V Workshops (2011-2012) at Fresno State

Note #1: The CSU Chancellor's Office funds the MSTI grant, allowing the science workshops to be offered **free of charge** to Fresno State students **or** to credentialed teachers who will apply for their new credential through Fresno State's credential office (Kremen Education–Room 151). The workshop fee for those who do not apply for their initial or additional credential through Fresno State's credential office (e.g., those currently earning an initial credential through another university) is \$50/day. Mail a check (payable to SJVMP) to May Lee; 5005 N. Maple Ave., M/S ED 2; Fresno, CA 93740-8025; or bring a check to Kremen Education room 250 for May Lee (c/o SJVMP). For questions about these sessions, contact Dr. Brad Huff: bradh@csufresno.edu

Note #2: To **register** for a particular CSET Science workshop, please email May Lee at least one week before the workshop: maylay@mail.fresnostate.edu. Registration is on a first-come, first-served basis. *Registration is vitally important since a session will be cancelled if there are too few registrants.*

CSET: Biology, Chemistry, Earth & Planetary Science, General Science, & Physics Workshops

- **Instructors:** Dr. Brad Huff, Ms. Kelly Sullivan, and Dr. David Tinker
- **Time:** 8 a.m.-4 p.m. on **Orientation/General Science days** (Focus: **CSET: Science Subtests I & II**); 8 a.m.-3 p.m. on all other days (Focus: **CSET: Science Subtests III and IV**, but **note**: *These sessions will help you pass Subtests I and II.* If you only want to prepare for Subtests I and II, contact Brad Huff at bradh@csufresno.edu prior to a Subtest III/IV workshop so that he can let the instructors know.)
- **Dates** (2011-2012):
 - March 5 (**Orientation and General Science overview=GS**), April 2 (**Physics=P**), April 9 (**Biology=B**), April 30 (**Chemistry and Earth & Planetary Science=C/EPS**)
 - June 11 (**P**), June 18 (**B**), and June 25 (**C/EPS**)
 - August 6 (**GS**), August 13 (**P**), August 20 (**B**), August 27 (**C/EPS**)
 - October 1 (**GS**), October 8 (**P**), October 15 (**B**), October 22 (**C/EPS**)
 - December 10 (**GS**)
 - January 28 (**GS**), February 4 (**P**), February 25 (**B**), March 3 (**C/EPS**)
 - March 24 (**GS**), April 14 (**P**), April 21 (**B**), April 28 (**C/EPS**)
 - May 19 (**GS**), June 2 (**P**), June 9 (**B**), June 16 (**C/EPS**),
 - June 23 (**GS**)
- **Location:** Fresno State campus: March-June 2011 dates – Kremen Education 54/58 (lower level); August 2011 - June, 2012 dates – TBA (May Lee will email the location to you.) Map: <http://www.csufresno.edu/ucomm/maps/pdf/CampusMapLTR4-10.pdf>

CI 161 - Foundational-Level Mathematics and Science Teaching Methods Courses

CI 161/FLM – Required 3-unit methods class for prospective Foundational-level Mathematics teachers. Prereq: Must have passed at least one CSET: Mathematics subtest or have a strong mathematics background. A reference from Dr. Oscar Vega on excellent performance in his CSET: Math workshop(s) in June 2011 will also suffice to fulfill the prerequisite.

- **Instructor:** Dr. Agnes Tuska (agnest@csufresno.edu)
- **Dates:** July 5-7 (Tuesday-Thursday); and July 11-14, 18-21, 25-28 (Monday-Thursday), 2011
- **Time:** 3-5:50 p.m. (**Note**: A second section will be offered 6-8:50 p.m. if there is enough demand. A Spring 2012 section of this course is expected to be offered by Fresno State's Mathematics Department.)
- **Location:** Fresno State: Science II, Room 207 (See next page for cost and registration information.)

- **Cost:** \$75/unit as an extension course (Continuing and Global Education) or free to current Fresno State students; free membership in the California Mathematics Council (CMC) and the National Council of Teachers of Mathematics (NCTM), compliments of MSTI
- **For more information:** Contact Dr. Agnes Tuska (agnest@csufresno.edu)
- **To register and receive updates:** Email May Lee (maylay@mail.fresnostate.edu) for registration info.

CI 161/FLGS – Required 3-unit methods class for prospective Foundational-level General Science teachers; not required for teachers currently holding a Single Subject credential. Those pursuing a full science credential in a content area such as biology or chemistry must take CI 161 (science section), which is offered during Fall Semester (permission of the instructor, Dr. David Andrews, is required: davidan@csufresno.edu).

- **Instructor:** Ms. Katy Hieger (khieger@aol.com)
- **Dates:** June 13-16; 20-23, 27-30; July 5-7, 2011
- **Time:** 2:30 - 5:20 p.m. (Note: A second section will be offered 6-8:50 p.m. if there is enough demand.) A Spring 2012 section of this course may be offered by Fresno State's College of Science and Math.)
- **Location:** Fresno State campus: Kremen Education Building (lower level), Room 10
- **Cost:** \$75/unit as an extension course or free to current Fresno State students (Note: See below for registration info; do not add the course online). Free membership in the California Science Teachers Association (CSTA) and the National Science Teachers Association (NSTA), compliments of MSTI
- **To register and to receive emailed course updates:** Send an email message to May Lee at maylay@mail.fresnostate.edu She will email you a registration form to fill out and send back to her.

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Additional MSTI Support for Prospective Math and Science Teachers

CSET Fees: MSTI will reimburse your test fees! We'll need a copy of your receipt, a copy of your official test score(s), and our reimbursement form (obtain from May Lee: maylay@mail.fresnostate.edu). MSTI will reimburse up to two attempts per test (i.e., you can fail the first attempt and we will still reimburse your fee). The paperwork for your final CSET subtest fee reimbursement will be processed along with your credential application fee reimbursement. (We will hold onto your CSET reimbursement paperwork until you have completed CI 161 and have applied for your math or science credential.)

Applying for your Credential: MSTI will reimburse your credential application fee! It's very important that you apply for your credential through Sherri Nakashima's office in the Kremen Education building, Room 151 (8 a.m.-5 p.m., M-F) once you have passed the necessary CSET subtests and CI 161. Sherri's email address is sherrin@csufresno.edu Request the form from May Lee: maylay@mail.fresnostate.edu

Professional Involvement: MSTI provides **free memberships in professional associations** for students in math and science methods classes, plus **conference travel support** for up to 25 CSUF students.

COMET: All MSTI workshop/course participants receive a free subscription to the weekly publication, *California Online Mathematics Education Times* (COMET). Check out back issues at <http://www.comet.cmpso.org>

CSET: Web Site: <http://www.cset.nesinc.com/>

Test administration dates for 2011-2012:

May 7, 2011	July 9, 2011	September 10, 2011	November 5, 2011
January 7, 2012	March 10, 2012	May 5, 2012	July 14, 2012

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Please feel free to contact me at carolb@csufresno.edu or (559) 999-3188 (cell) for more information, and also visit our Web site at <http://csufresno.edu/teachmathscience> for updates.

~ Dr. Carol Fry Bohlin • Professor and Director, Mathematics and Science Teacher Initiative (MSTI)
California State University, Fresno