



Fall 2010 - Summer 2011

*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

<http://csufresno.edu/teachmathscience>

The Mathematics and Science Teacher Initiative (MSTI) 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 current 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 more 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

- **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 pass CSET: Mathematics Subtests I and II (#110 and 111) plus take the foundational-level mathematics teaching methods course. At Fresno State, this course is CI 161-FLM (Spring 2011).
- **Mathematics:** Allows you to teach all math courses through AP Calculus. SS teachers need to pass CSET: Math Subtests I, II, and III (#110-112). MS teachers must pass these and take CI 161 (Fall 2010).
- **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 pass the subtests and take a SS methods course (CI 161-FLGS, offered Spring and Summer 2011).
- **Science:** Allows you to teach introductory life and general science; integrated science I, II, III; plus biology/life science, earth and planetary science, chemistry, and/or physics depending upon the concentration area(s) selected. A number of Single Subject science teachers add at least one other area of science to their initial credential to increase their instructional and employment options. Multiple Subject or non-science Single Subject (SS) teachers who desire a SS Science Credential (or additional authorization area) must pass CSET: Science Subtests I and II (General Science) and CSET: Science Subtest III. (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, offered during the fall semester at Fresno State.

CSET Mathematics and Science Preparation Workshops & Teaching Methods Courses

California State University, Fresno ~ 2010-2011

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

- **Instructors:** Drs. Adnan Sabuwala ([asabuwala@csufresno.edu](mailto:asabuwala@csufresno.edu)) and Agnes Tuska ([agnost@csufresno.edu](mailto:agnost@csufresno.edu))
- **Dates:** The following Tuesdays and Saturdays: September 7, 11, 14, 18, 21, 25, 28; October 2, 5, 9, 12, 16, 19, 23 (2010)
- **Times:** Tuesdays: Q&A: 5:15-5:30 p.m., Instruction: 5:30-8:30 p.m.; Saturdays: 9 a.m.-12:30 p.m., Q&A: 12:30-1 p.m. Exception: Saturday, September 11: 9 a.m.-2 p.m., Q&A: 2-3 p.m. The workshop is timed to target the November 6, 2010 administration of the CSET (<http://www.cset.nesinc.com/>).
- **Location:** Fresno State—Science II, Rm. 309: <http://cmap.csufresno.edu/website/campus/viewer.htm>
- **Workshop Cost (total):** \$25
- **To Register:** Send an email expressing interest to May Lee at [maylay@mail.fresnostate.edu](mailto:maylay@mail.fresnostate.edu) Mail check (payable to SJVMP) to May Lee; 5005 N. Maple Ave., M/S ED 2; Fresno, CA 93740-8025
- **Syllabus:** <http://zimmer.csufresno.edu/~asabuwala/teaching/Fall10/CSETIII/Syllabus.pdf>

### CSET: Mathematics Subtest I (Algebra)

- **Instructor:** Dr. Lance Burger ([lburger@csufresno.edu](mailto:lburger@csufresno.edu))
- **Dates:** Tuesdays and Saturdays (2010-2011) – November 13, 16, 20, 30; December 4, 7, 11, 14; January 4, 11, 15, 18, 22, 25, 29; February 1, 5
- **Time:** Tuesdays – 5:30-7:30 p.m.; Saturdays – 9 a.m.-12:30 p.m.
- **Location:** Fresno State campus; room TBA
- **Workshop Cost (total):** \$25
- **To Register:** Send an email expressing interest to May Lee at [maylay@mail.fresnostate.edu](mailto:maylay@mail.fresnostate.edu)

### CSET: Mathematics Subtest II (Geometry; Probability and Statistics)

- **Instructor:** Dr. Comlan de Souza ([csouza@csufresno.edu](mailto:csouza@csufresno.edu))
- **Dates:** The following Tuesdays and Saturdays in 2011: February 8, 12, 15, 19, 22, 26; March 1, 5, 8, 15, 19, 22, 26, 29; April 2
- **Times:** Tuesdays: 5:30-8:00 p.m.; Saturdays: 9 a.m.-12:30 p.m.
- **Location:** Fresno State campus; Room TBA      **Workshop Cost (total):** \$25
- **To Register:** Send an email expressing interest to May Lee at [maylay@mail.fresnostate.edu](mailto:maylay@mail.fresnostate.edu)

### CSET: Science Subtest I/II/III/IV Workshops

- **Instructors:** Katy Hieger, Dr. Brad Huff, Kelly Sullivan, and Dr. David Tinker
- **Time:** 8 a.m.-4 p.m. on August 28, 2010 and March 5, 2011; 8 a.m.-3 p.m. on all other days
- **Dates (2010):** August 28 (orientation and CSET Subtest I and II overview), October 9 (**Physics**), October 16 (**Biology**), October 23 (**Chemistry** and **Geosciences**), November 13 (**Physics**), December 4 (**Biology**), and December 11 (**Chemistry** and **Geosciences**)
- **Dates (2011):** March 5 (orientation and CSET Subtest I and II overview), April 2 (**Physics**), April 9 (**Biology**), April 30 (**Chemistry** and **Geosciences**), June 11 (**Physics**), June 18 (**Biology**), and June 25 (**Chemistry** and **Geosciences**)      Note: For more details and for the schedule, visit [http://csufresno.edu/teachmathscience/docs/CSET\\_Science\\_Test\\_Prep\\_2010-2011\\_Promo\\_Final.pdf](http://csufresno.edu/teachmathscience/docs/CSET_Science_Test_Prep_2010-2011_Promo_Final.pdf)
- **Location:** Fresno State campus: August 28 and March 5--Science II, Room 109; October-December dates--Kremen Education 54/58 (lower floor of building); All other dates: TBA (**Campus Map:** <http://www.csufresno.edu/ucomm/maps/pdf/CampusMapLTR4-10.pdf>)
- **Cost:** Free!
- **To Register:** Send email to Brad Huff at [bradh@csufresno.edu](mailto:bradh@csufresno.edu)

**CI 161/FLM** – Required 3-unit methods class for prospective Foundational-level Mathematics teachers. Prerequisite: Have passed at least one CSET: Mathematics subtest or have a strong mathematics background. If at least one CSET: Math subtest (#110-112) has not been passed, email Dr. Tuska to discuss your mathematics background and teaching experience.

- **Instructor:** Dr. Agnes Tuska ([agnost@csufresno.edu](mailto:agnost@csufresno.edu))
- **Dates:** January 24 - May 16, 2011 (Fresno State's Spring Semester)
- **Times:** 4 p.m. - 6:50 p.m. on Mondays • **Location:** Fresno State campus (room TBA)
- **Cost:** If a matriculated student, regular fees apply; if not a matriculated student, Open University fees apply (currently \$240/unit): <http://csufresno.edu/cge/programs/open.shtml>
- **For more information:** Contact Dr. Agnes Tuska ([agnost@csufresno.edu](mailto:agnost@csufresno.edu))
- **To be added to database for updates:** Send email to May Lee at [maylay@mail.fresnostate.edu](mailto:maylay@mail.fresnostate.edu)

**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.

- **Instructor (Spring 2011):** Dr. David Andrews ([davidan@csufresno.edu](mailto:davidan@csufresno.edu))
- **Instructor (Summer 2011):** Katy Hieger ([khieger@aol.com](mailto:khieger@aol.com))
- **Dates (Spring):** One day/week during January-May 2011 (Fresno State's Spring Semester)
- **Dates (Summer 2011, Tentative):** June 13-16; 20-23, 27-30; July 5-7
- **Times (Summer 2011):** 3-6 p.m. (tentative)
- **Location:** Fresno State campus (room TBA)
- **Cost (Spring 2011):** If a matriculated student, regular fees apply; if not a matriculated student, Open University fees apply (currently \$240/unit): <http://csufresno.edu/cge/programs/open.shtml>
- **Cost (Summer; projected):** \$75/unit as an extension course (Continuing and Global Education)
- **To be added to database for updates:** Send email to May Lee at [maylay@mail.fresnostate.edu](mailto:maylay@mail.fresnostate.edu)

**CSET Fees:** *MSTI will reimburse your test fees!* We'll just need a copy of your receipt and a copy of your official test scores (you need not pass to be reimbursed). Email May Lee: [maylay@mail.fresnostate.edu](mailto:maylay@mail.fresnostate.edu)

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

**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:**

- Test administration dates: 2010: September 11, November 6 || 2011: January 8, March 12, May 7, July 9
- Web Site: <http://www.cset.nesinc.com/>

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Please feel free to contact me at [carolb@csufresno.edu](mailto:carolb@csufresno.edu) or (559) 999-3188 (cell) for more information, and also visit our Web site at <http://csufresno.edu/teachmathscience> for updates (including the possible addition of mathematics CSET workshops for Summer 2011).

### **Dr. Carol Fry Bohlin**

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