Geometry in the Secondary School Curriculum

The course is designed for those who wish to refresh their knowledge of geometry and their knowledge of probability and statistics. It is also designed for those preparing to take the CSET subtest II. Topics are selected from the standards stressed in the CSET subtest II. The examination requires that the candidate demonstrate a deep conceptual knowledge of each content domain i.e. the topics selected are tested from an advanced viewpoint. The main focus of the course will be to guide the students in developing this deep conceptual knowledge by working in small groups on related problems of increasing complexity and depth. Topics covered will include parallelism, similarity and congruence, three-dimensional and transformational geometry (rotations, reflections and translations), probability computed using counting techniques of permutations and combinations, basic topics from statistics such as the role of the median and the mode and analyses of basic sampling methods. This course will be taught by Dr. John Elwin and may be taken for credit.

Who Should Attend:
- Teachers who need to take mathematics CSET subtest II
- Preservice students seeking a Foundational Math credential
- Liberal studies majors with a math specialization
- Persons who want to strengthen their geometry skills

Benefits: Free Course, Materials & Test Fee Reimbursement

Dates: June 25 – July 13, 2012 (Monday through Friday)
Time: 1:00 p.m. – 4:00 p.m.
Location: San Diego State University

Geometry in the Secondary School Curriculum
Fax, e-mail, or mail registration by June 1, 2012

Name: ___________________________ Status: ____ SDSU Student ____ Teacher ____ Other
E-mail: __________________________ Phone Number: __________________________

If SDSU student, please provide the following: Red ID #: __________________________ Major: ____________
If teacher, please provide the following: School Name: __________________________ District: __________________________
If other, then please specify: __________________________

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