

Statistics Workshop for 11th and 12th Grade Teachers

What

Through practical hands-on activities, participants in this workshop will explore fundamental ideas of an introductory course in descriptive and inferential statistics. Topics will include graphical summary of data, measures of central tendency and variability, elementary probability, simulation, introduction to experimental design, estimation, testing hypotheses, correlation, and regression.

This intensive workshop will feature: (pending funding)

- Specific ways to implement the NCTM Standards and the PA Academic Standards in statistics
- Collecting, organizing, and interpreting real data of interest to the participants
- Participating in and designing age-appropriate activities for classroom use
- Usage of technology such as graphing calculators, Minitab, Excel, and TI Interactive
- AP Statistics for interested participants

Perks

- Three graduate credits from IUP (applicable to ACT 48 credit) will be available to workshop participants. Free tuition, however there are associated fees that are the participant's responsibility. **Credits will be awarded upon completion of workshop in the spring of 2003.**
- Free instructional materials and graphing calculator/software
- Free meal ticket during the summer session.
- Free housing for non-local participants.

Who Teachers of 11th and 12th Grade Statistics Courses

When **Pre-session** *May 4, 2002*
8:30 a.m. – 3:30 p.m.

Summer Session *July 21 – 26, 2002*

Starts Sunday at 5:30 p.m. Full day sessions with some evening group project time. *Dinner and evening speaker is tentatively planned on Tuesday.* Concludes Friday by 3:30 p.m.

Post-session One weekday, Fall 2002

Final session One Saturday, Spring 2003

Where Indiana University of Pennsylvania
Indiana, PA

How Complete the Application Form and return to:

Center for Statistics Education in PA
Stright Hall, Room 202A
210 South Tenth Street
Indiana, PA 15705

724-357-6239
Fax: 724-357-2616

Process of participant selection will begin **March 25, 2002**, however applications will continue to be accepted until filled.

Expectations

- Attend all sessions (pre, summer, post, final)
- Actively participate in workshop lessons
- Complete homework/follow-up assignments
- Teach statistics lessons during the 2001-2002 school year

Application to Statistics Workshop

Your main interest is in: AP Statistics Non-AP Statistics

Name _____

School _____

Public School Private School

District _____ County _____

Grades included in your school: _____

Home address: _____

Phone (School) _____ (Home) _____

Email: _____

Subjects that you teach: _____

Grades you expect to teach Math: _____

Have you attended a SEQual/CSEPA workshop previously?

Yes No If yes, when and where? _____

Have you had any experience teaching statistics?

None Some, Integrated in Major Unit Semester
other course work or more

I will be able to teach statistics for a full grading period during the next school year or semester. Yes No

If accepted, your district superintendent or principal must endorse your participation in this workshop prior to the summer session.