

## WILDEST Overview

### Objectives

The goals of a successful teacher preparation course follow from the goals of the high school students whom they will teach. If the preparation course is successful, then the resulting high school students will be:

- Prepared to succeed in college classes where statistics is a prerequisite.
- Prepared to pass the AP statistics exam.

In order for these objectives to be met by the high school student, high school teachers will need to:

- Understand the content of the AP statistics course.
- Know technologies used in college and on the AP exam.
- Resolve pedagogical issues such as order of topics and appropriate level of detail for each topic.
- Understand the statistical content at a depth beyond that of high school students.
- Have a network of resources, including: fellow high school teachers, Idaho State University faculty, and internet content.

### Proposed Schedule

Summer 2007		Summer 2008	
Week 1	Content of one semester college statistics course (equivalent to 70% of an AP course)	Week 1	Content from the remaining full year AP course
Week 2		Week 2	
Week 3		Week 3	Integrated case studies emphasizing communication, depth and insight (related to topics presented in Weeks 1-2, plus additional topics)
Week 4	Week 4		
Week 5	Week 5		
Week 6	Design of high school course / pedagogical issues	Week 6	Techniques for optimizing student success on AP exam

### Resources and Technology

Technology will be incorporated into every aspect of course content. Specifically, the teacher preparation course will utilize:

- The AP/introductory college statistics text to be used by the high school students
- A more advanced statistics text to provide depth and insight
- The TI-83 calculator, which is used on the AP exam
- Minitab software, which is used in college courses