Energy Systems Technology and Education Center

ESTEC Building  Rm 203/101
Time TBA

COURSE SYLLABUS AND CLASS SCHEDULE

Instructor: TBA
ISU ESTEC, Campus Box 8380, Pocatello, ID 83209
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DESCRIPTION:

ESET 0254 Smart Grid Design and Integration: 2 semester hours.
Overview of Smart Grid design including combination of technology, utility, and consumer considerations. The rapid changes in communications and power infrastructure in the grid will be presented. Included are Smart Grid applications such as Demand Response, real-time pricing, Home Area Networks, Advanced Metering Systems, smart loads and appliances.

Learning Outcomes
Upon course completion the student will be able to:
1. Identify features of Smart Grid that have readily exploitable vulnerabilities
2. Describe the functionality of the major features of SMART Grid
3. Discuss Demand Response from a capacity, energy and reliability perspective

Assessment Method
1. Classroom testing

GRADING & Attendance: A = 96-100; A- = 91-95;  B+ = 87-90; B = 83-86; B- = 79-82;
C+ = 75-78;  C = 71-74; C- = 67-70; D = 66 and F=60 and below.

You can’t learn if you are not in class. Class means both the classroom and laboratory component of this course. Five class absences could reduce your grade. If you must miss class, make prior arrangements with me to makeup missed class work.

The course is graded on a total points basis.

REASONABLE ACCOMMODATION FOR STUDENTS WITH DISABILITIES:
The Americans with Disabilities Act of 1990 specifies that if you have a diagnosed disability, or believe that you have a disability that might require “reasonable accommodation” on the part of the instructor in this course, you can receive help by contacting the Director, ISU Center of Services for Students with Disabilities; 208-282-3912. It is your responsibility to let the instructor know if you are seeking accommodation for a learning disability (such as extra time to complete exams, note taking help, large print for exams, and so on).