COURSE SYLLABUS AND CLASS SCHEDULE

Instructor: TBA
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Description:

ESET 0283 Information System Security Design: 3 semester hours.
Examination of the design methods and techniques for the development of safety and security
critical information systems. Secure software design and implementation and information
infrastructure maintenance and reliability are examined. An overview of the development of
specification, design and analysis of mission-critical system attributes. PREREQ: Prior AAS in
Energy System program or instructor approval.

Learning Outcomes:
Upon course completion the student will be able to:

1. Identify Network Attacks
2. Demonstrate use network access authentication protocols
3. Identify malicious behavior in routing protocols and take corrective actions to limit system
   impacts

Assessment Method:
1. Laboratory assessment with software and hardware-in-the-loop

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).