



THE OHIO STATE UNIVERSITY
COLLEGE OF ENGINEERING

Probabilistic Reliability and Safety Assessment

MECHENG 6716

Credit Hours:

3.00 - 3.00

Course Components:

Lecture

Course Description:

Methods underlying probabilistic risk assessment (PRA) and how they are used in assessing the public health risk of nuclear systems.

Prerequisites and Co-requisites:

Prereq: 4505 (505), NuclEn 4505 (505), Grad standing, or permission of instructor.

Course Goals / Objectives:

- Become familiar with the basic concepts used in system reliability engineering and probabilistic risk assessment
- Develop working skills with some of the common techniques used in system reliability engineering and probabilistic risk assessment
- Learn how to implement these concepts and skills for nuclear power plant systems