

ENU 4934 - Fundamentals of Nuclear and Radiological Engineering
(Nuclear Engineering Seminar)
1 credit
Required Course, Fall, 2005

DESCRIPTION: This course is intended to introduce Nuclear Engineering students to the areas of interest and research activities of the faculty of the Department of Nuclear and Radiological Engineering.

Pre-requisites: junior/senior standing in NRE

Program Educational Objectives / Professional Components Supported by Course:

1. Graduates will have successful careers in Nuclear Engineering and related disciplines.

Program Outcomes Supported by Course:

- Outcome g: an ability to communicate effectively, using both oral and written presentations,
in engineering practice.
- Outcome h: the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental and societal context.
- Outcome j: a knowledge of contemporary issues as they relate to professional engineering practice.

Text: Handouts and Instructor's Notes

Main Reference: N/A

Grading: Term paper 50%
Attendance 50%

Seminar Speaker Schedule

Date	Location	Speaker	Title
Sept. 2	Weimer Hall 1076	Dr. Angaie	“Nuclear Powered Space Exploration Enterprise”
9	Weimer Hall 1076	Dr. Baciak	“Advanced Radiation Detectors”
16	Weimer Hall 1076	Dr. Bolch	“Research Activities Related to UF BID and POD Projects”
23	Weimer Hall 1076	Dr. Haghighat	High performance computing at UF
30	Weimer Hall 1076		
Oct. 7	Weimer Hall 1076	Dr. David Gilland	Writing Workshop
14	Weimer Hall 1076	Dr. Tulenko	Challenges for Nuclear power in the new millenium
21	NSC	Dr. Vernetson	The UF Training Reactor
28	NSC	Dr. Vernetson	The UF Training Reactor
Nov. 4	Weimer Hall 1076	Dr. Hintenlang	Medical Physics program at UF
18	Weimer Hall 1076	Dr. Kim	Radiation Oncology physics
Dec. 2	Weimer Hall 1076	Dr. Dempsey	“Real-Time Image Guided Intensity Modulated Radiation Therapy”

Prepared by David Gilland

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