

# Course Schedule - Fall 2006

## Nuclear, Plasma, and Radiological Engineering

### 457 **Safety Anlys Nucl Reactor Sys** Credit: 3 or 4 hours.

Basic safety philosophy in nuclear reactor systems; brief review of nuclear reactor systems; regulatory processes; siting considerations; safety problems related to reactor dynamics; evaluation of postulated accidents; risks associated with nuclear fuel cycle; and methods of systems safety analysis. Same as CSE 462. 3 undergraduate hours. 3 to 4 graduate hours. Prerequisite: NPRE 402/ME 405 or NPRE 247 or equivalent; or consent of instructor.

| CRN  | Type               | Section | Time                | Days | Location                               | Instructor |
|--|--------------------|---------|---------------------|------|--|------------|
| 34526  | lecture-discussion | D       | 03:00 PM - 03:50 PM | MWF  | room 203<br>Nuclear<br>Engineering Lab | Ragheb, M  |
| 34526: 3 hours Section restricted to undergraduates    |                    |         |                     |      |  |            |
| 43010  | lecture-discussion | D4      | 03:00 PM - 03:50 PM | MWF  | room 203<br>Nuclear<br>Engineering Lab | Ragheb, M  |
| 43010: 4 hours Section restricted to graduate students |                    |         |                     |      |  |            |