<table>
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<th>NE450</th>
<th>NUCLEAR WEAPONS EFFECTS</th>
<th>3.0 Credit Hours</th>
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<td>(BS=0.0, ET=3.0, MA=0.0)</td>
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**Scope:**
This course focuses on the operation of nuclear and fusion weapons, and the effects of a nuclear weapon detonation. Specific topics emphasize blast effects, thermal radiation, initial radiation and fallout, electromagnetic pulse, biological effects of radiation, and the policy issues associated with weapons of mass destruction. Extension problems with design components apply the concepts presented in NE450 to the solution of practical problems.

**Lessons:** 40 @ 55 min (2.500 Att/wk)  
**Labs:** 0 @ 0 min

**Special Requirements:**
Extension problems with design components.

**Prerequisite(s):**
NE300

**Offerings:**
2017-1 2017-2 2018-1  