

**The Nuclear, Radiation and High Yield Explosives (NRE) Course**  
Uniformed Services University  
Course Schedule  
(All sessions are from 1800-2030)

**September 9**

Course Introduction  
Radiological and Nuclear Threat  
Radiological and Nuclear Accidents  
CDC Video

**September 16**

Ionizing Radiation Review  
Radiobiology/Biochemistry Fundamentals  
Radiation Detection/Personal Dosimetry  
Fundamentals

**September 23**

RDDs: Technology and Science  
RDDs: Exercises & Accidents (T4 & Gioania  
Focus)  
RDDs: First Responder Guidelines

**September 30**

Nuclear Weapons Effects  
National Response Framework- Radiological  
Annex  
NRF Scenario #1 and Gaps

**October 7**

Acute Radiation Syndrome and Internal  
Contamination  
Late Effects

**October 14**

DoD Nuclear Accident Response Plan (NARP)  
Military Rad Response Assets (Including Lab  
Capabilities)  
Civilian Rad Response Assets (Including Lab  
Capabilities)

**October 21**

PARS and PAGS  
Modeling  
Lessons Learned

**October 28**

Recent and Current Developments  
Radiation Countermeasure Development  
Future Directions in Detection

**November 4**

Hospital Management of Radiation Casualties  
Foreign Consequence Management Rad-Nuc  
TTX Preparation

**November 11**

**SPRING BREAK**

**November 18**

TTX on RDD (NRF Scenario #11)  
After Action Review

**November 25**

**THANKSGIVING BREAK**

**December 2**

High Yield Explosives & Improvised Explosive  
Devices  
Technical Search & Rescue & Medical Issues in  
Confined Space Rescue

**December 9**

Operational Medicine in Crisis Response  
High Yield Explosives in Iraq

**December 16**

Thermobaric Weapon Injuries  
Terrorism and the Law