

Nuclear Nonproliferation, Safeguards, and Security (NNSS) in the 21st Century



An NGS Course for Prospective, Current, and Recent Graduate Students
<http://www.bnl.gov/nnsscourse>

June 19 - June 30, 2017

The course presents students with critical assessments of current nuclear nonproliferation issues, confronts them with the hard choices needed to address them, and provides in-depth analysis of the technical and legal framework needed to assess policy options. The focus is on the central element of this regime, the Nuclear Non-Proliferation Treaty (NPT) and its verification mechanism, the IAEA safeguards system. Exercises and demonstrations introduce students to the techniques and technologies of international safeguards and the challenges faced by international inspectors in the field. Above all, the course aims to give participants the knowledge, analytic tools, and the motivation to contribute to the improvement of the nonproliferation regime.

ELIGIBILITY REQUIREMENTS

Applicants must:

- Be 18 years or older
- Not currently be traveling in the US on an F1 (nonimmigrant student) visa
- Have valid medical insurance for the duration of the course
- Be enrolled in, recently graduated from (within the last 12 months), or soon to enter (within the next 12 months, with proof of acceptance) a graduate or undergraduate institution.

APPLICATION REQUIREMENTS

- The application form can be found at: <http://www.bnl.gov/nnsscourse>
- Transcripts of your undergraduate and graduate records (official or non-official)
- One letter of recommendation and two references
- Application form can be completed online. Supporting documents can be uploaded directly in the application.

APPLICATION DEADLINES

Applications, transcripts, and letters of recommendation must be received by January 31, 2017.

Applicants will be notified of the outcome of the selection process by February 28, 2017.

Successful applicants will receive:

- Housing at or near Brookhaven National Laboratory during the period of the course
- A stipend of \$1,000 is available based on a demonstration of need

NNSS 2017 Course Topical Areas

- Nuclear Fuel Cycle
- Nuclear Weapons
- Nuclear Security
- Nuclear Safety
- Nuclear Nonproliferation Treaty (NPT)
- International Atomic Energy Agency (IAEA)
- Nuclear Nonproliferation Successes and Failures
- IAEA Safeguards: Concepts and Implementation Examples
- IAEA Safeguards Design Information Verification Exercise
- IAEA Safeguards Inventory Demonstration
- South Asia, Iran and North Korea
- Authorities of the IAEA
- Strengthened IAEA Safeguards: Concepts and Implementation Examples
- Demonstration and Exercise on Detecting Radioactive Materials
- Other WMD Issues



Nonproliferation and National Security Department

For more information go to:

<http://www.bnl.gov/nnsscourse>

Questions can be sent to nnss@bnl.gov

