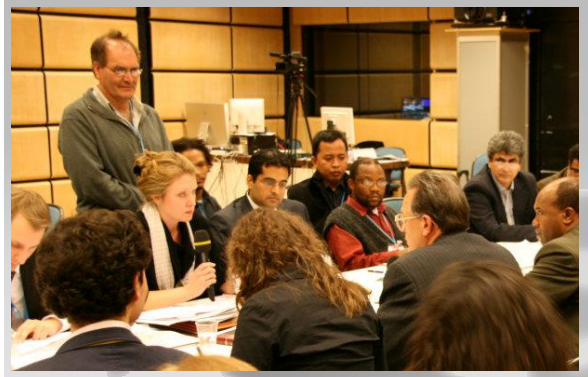
Georgia Tech | The Sam Nunn School of International Affairs

Preparation of a Cross-Disciplinary Nonproliferation Curriculum at GaTech

Liz Dallas

Timeline of the Courses (CDI and GT)



Nov-Dec, 2011
Advance Sci Course 2011

March 2012
Applied for the GT Fire Grant

Aug 2012
INTA/NRE (version 1.0)

Nov-Dec, 2012
Advance Sci Course 2012

Oct 2012
Visitors!

Aug 2013
INTA/NRE (version 2.0)

2011 Nov Dec | 2012 Jan Feb Mar Apr May Jun Jul Aug Sept Oct Nov Dec | 2013 Jan Feb Mar Apr May Jun Jul Aug

June 2012
Notified that we won the GT Fire Grant

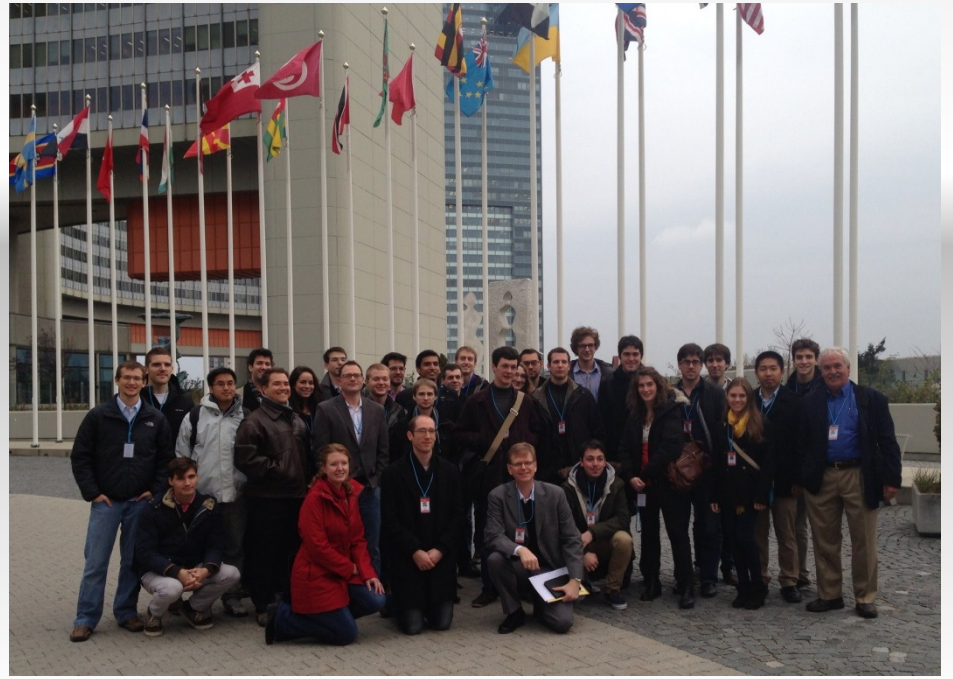
Jan 2013
Apply for a raft of new grants

Fall 2012 Structure – CTBTO, Sci and Tech

- 5 Students (2 PhD NRE, 1 MS AE and 2 PhD INTA)
- 5 lectures with associated readings
- 5 online Moodle modules
- 2 expert meetings at GT
- 2 week stay in Vienna to attend the CTBTO Advanced Science Course
- Final Paper

Fall 2013 Structure – CTBTO/IAEA Policy, Sci and Tech

- 5 Students (3 MS INTA, 2 PhD AE)
- 5 lectures with associated readings
- 9 online Vision eLearning modules
- Additional readings on IAEA and safeguards
- 1 week stay in Vienna for program of combined IAEA/CTBTO/VCDNP content plus one day of expert meetings
- Final Test
- Final Paper



Teaching Challenges

- The challenge of the multidisciplinary/multilevel class
  - How much technical depth and how much INTA depth?
  - Balancing the knowledge bases of the graduate vs undergraduate students
- Grading
  - Testing concerns
- Scheduling
  - High-input class in terms of time (for students and instructor)
  - Ideally, a suite of classes, not just one

GT's challenge going forward
RE course development

- Goal setting for future programs
  - Greater dispersion or more depth?
    - Expand to cover CTBTO + IAEA, OPCW
  - Importance of student interaction with international fellows/experts?
    - De-fund the trip to Vienna?
    - How then to catalyze ongoing relationships and help students to investigate sophisticated ideas?
- Institutionalization
    - Permanent curriculum placement
    - Continued cooperation with CTBTO, VCDNP
    - Increase/catalyze cooperation with IAEA, OPCW
    - Funding!!
    - Continued bridge building between schools and departments across GT (CompE, ISYE, AE, EAS, PubPol, HTS and GTRI)

Fall 2014
The Next Incarnation

INTA 3102/8803

The Problem of Proliferation

Fall 2014
Instructional Center (IC) 113
T,Th 4:35-5:55pm

Instructor: Liz Dallas
Email: LAThompsonDallas@gmail.com
Office: G13 in the Ivan Allen College (Habersham)
Office Hours: G13 Habersham, Wednesdays and Thursdays 10-11am

Course Description

This course provides a detailed examination of the issues of nuclear, chemical and biological proliferation. Designed to offer the student a comprehensive survey of the scope of the problems of weapons proliferation, the course has three specific objectives. The first goal is to understand the technologies at the core of each weapon class, and the civilian use of those technologies that often makes their control challenging. The second goal is to understand the historical motives and consequences of weapons proliferation. Finally, the course analyzes international and domestic strategies for stemming or managing weapons proliferation.

The course consists of both lectures and class discussions, and does not presume the student's prior knowledge of international relations theory, U.S national security policy, weapons technologies, and/or specific area studies. The basic aim of the course is to help the student think critically and analytically about the motivations and consequences of WMD proliferation, and about old and new policy approaches to controlling the diffusion and use of these weapons.