Ethics Education at Dartmouth College

Carrie Fraser
Assistant Dean, Academic and Student Affairs
Thayer School of Engineering at Dartmouth
June 2010
Dartmouth College

“...a superb undergraduate residential college with the intellectual character of a university, featuring thriving research and first-rate graduate and professional programs”

- **Founded:** 1769
- **Affiliation:** Ivy League
- **Students:** Approximately 4,100 undergraduate, 1,700 graduate
- **Divisions:** Undergraduate college with more than 40 departments and programs; graduate schools of arts and sciences, medicine, engineering, and business
- **Faculty:** 607 Tenured/tenure track, 995 total
Research at Dartmouth

- Classified by the Carnegie Foundation as a "research university with very high research activity."
- Sponsored research attracted, FY 2009: $168.6 million

By the numbers:
- 477 Arts and Sciences
- 111 Engineering
- 68 MALS
- 50 MPh
- 1000+ undergrads
- Coming: Masters of Healthcare Delivery Sciences
Ethics program sponsors at Dartmouth

§ Ethics Institute (since 1982)
  § Aine Donovan, Executive Director, Ethics Institute
  § Provides support for ethics programs

§ Masters of Engineering Management
  § Thayer School of Engineering/Tuck School of Business
  § New course: Professional Ethics

§ Graduate Studies Office
  § Brian Pogue, Dean, Graduate Studies
  § Ethics training for 1st year graduate students

§ Office of Sponsored Research
  § Jill Mortali, Director
  § Responsible Conduct of Research (RCR) training
Dartmouth Ethics Institute

“Morality must be a persistent concern of all professions and all professional schools. Indeed by definition one of the essential ingredients of a profession is the creation and use of an explicit set of ethics governing individual and collective behavior of the professionals in that field.”

$\checkmark$ **Founded:** 1982
$\checkmark$ **Executive Director:** Aine Donovan
$\checkmark$ **Mission:** to foster the study and teaching of ethics throughout the Dartmouth community, at the undergraduate, graduate and professional schools.
$\checkmark$ **Members:** ~200
$\checkmark$ **Programs:** interdisciplinary college courses that are team-taught by faculty who are committed to ethics education; innovative federal grants; films; panel discussions; essay competitions, graduate ethics training
Professional Ethics for MEMs (Thayer)

- Student population from diverse cultures coming for short time to Dartmouth on their way to engineering/business career paths
- Piloted Spring 2010 as part of Professional Skills curriculum
- Combination of Business and Engineering ethics
  - Honor code – “What should I do if I see...?”
  - How do companies manage ethics
  - Case studies that they can relate to: job search, early career ethical dilemmas
  - Review some company values/ethical codes
- Pilot participants actually asked for MORE than the three hours allocated in the pilot
1st Year Grad Students Ethics Program

- Ethics session in graduate student orientation
  - the FIRST event they attend
  - Faculty panel participation signals importance
- Ethics Survey – online review and acknowledgement of Honor Principle, Code of Conduct, and “Sources and Citation at Dartmouth College”
- Four “Train the trainer” ethics sessions
  - Professionalism in the workplace
  - Mentoring
  - Authorship and Peer Review
  - Conducting Research and Data Handling
- Education of first year students
  - Performed by last year’s trainers – Grad students/post-docs/faculty
  - Tailored to each department’s needs
- Science Ethics Colloquium (not every year)
Responsible Conduct of Research (RCR)

- Provides compliance with NSF requirements
- PI is responsible to ensure and mentor
- Graduate Students
  - Take (mandatory) the 1st year Grad Students Ethics Program
- Post Docs ("Research Assistants"). Choice of:
  1. 1st year Grad Students Ethics Program Educator class
  2. Collaborative Institutional Training Initiative (CITI)
  3. 90-minute presentation provided by Office of Sponsored Projects
- Undergraduates
  - Choice of 2 or 3 above as decided with PI
Success Factors/Challenges

- **Success factors**
  - Show institutional support
    - Faculty visibility
    - A culture of mentorship
    - Visibility of policies and governance bodies
    - Senior level sponsorship
  - Attract grad students to a new teaching experience (ethics!)
  - Offer a combination of online and face-to-face interaction

- **Challenges**
  - Pace of scholarly life
  - Pressure to Publish
  - Increasing administrative demands
  - Consistent faculty engagement
Additional Resources

- RCR for Engineering
  - Jason Borenstein borenstein@gatech.edu
- CITI – minimal cost and great way to get started
- ORI website http://ori.dhhs.gov/
  - Research on research integrity
  - Sample policies: http://ori.dhhs.gov/policies/ori_policies.shtml
- Post-doc Association – RCR Toolkit
  http://www.nationalpostdoc.org/publications/rcr/rcr-toolkit
THANK YOU!