

Faculty

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Curriculum

1. **Global standards are a bridge to the future [May 21]**
 - Strategic Standardization Overview (Purcell)
 - Definitions: Standards & Standardization
 - Globalization
 - “Global Standards – Building Blocks for the Future” (OTA Report 1992)
 - Strategic Value of Standards Education
 - Global Survey [Invitation to comment]
 - NIST/ICES February 2008 International Workshop on Standards Education [<http://ts.nist.gov/Standards/ICES-Workshop.cfm>]
 - Grade: Research paper, presentation, attendance, participation & preparation.
2. **National Standards Strategies [May 28]**
 - National Standards Strategies Overview (Purcell)
 - United States
 - Canada
 - Germany
 - Japan
 - United Kingdom
3. **United States Standardization System (Private Sector) [June 4]**

Guest Speaker: Jean-Paul Emard, Director, Industry Forums (ATIS)

 - Overview (Purcell)
4. **United States Standardization System (Public Sector) [June 11]**
 - Overview (Purcell)
 - United States Constitution
 - National Technology Transfer and Advancement Act
 - OMB Circular A-119
 - Relationship between private sector and public sector standards

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5. Standards & Trade [June 18]

Guest Speaker: Jeff Weiss, Office of United States Trade Representatives

- International Standards Overview (Purcell)
- Definitions (What is an international standard?)
- Organizations (What is an international standards organization?)
- “Standards & Trade – Who Cares?” (NIST Speech)
- Standards & Open Standards Systems (European Competition Commission Speech)

6. Standards & Trade [June 25]

Guest Speaker: Bryan O’Byrne, International Trade Administration

- International Standards & Trade Overview (Purcell)
- Standards and Competition
- World Trade Organization & United Nations

7. Legal & Ethics Issues [July 2 – moved to Thursday July 3]

Guest Speaker: Stephen Lowell, Defense Standardization Office, U.S. Department of Defense

- Legal and Ethics Overview (Purcell)
- Health, safety and the environment
- Antitrust & trade regulations
- Intellectual Property

8. Strategic Value of Standardization [July 9]

Guest Speaker: James Thomas, President ASTM International

- Overview (Purcell)

9. Testing, Certification and Conformity Assessment [July 16]

Guest Speaker: Gordon Gillerman, U.S. National Institute of Standards and Technology

- Testing, Certification, Conformity Assessment

10. Strategic Standards Management [July 23]

Guest Speaker: William E. Kelly, P.E., Ph.D. (former Dean, Catholic University School of Engineering)

11. 8 Class Presentations [July 30]

12. 8 Class Presentations [August 6]

Grade

Research Paper (90%): A student may select any research topic related to standards or standardization approved by faculty. The research topic must be approved by June 30. The paper must be 15-20 pages in length and double spaced, not including title page, table of contents or attachments. Footnotes and citations must be appropriate for graduate research. The paper is due on the first day of examinations. Note: *please review the research paper writing samples.*

Class Presentation (10%): The class presentation must be a power point presentation which lasts 10-15 minutes and is based upon the research paper.

Discretionary points: attendance (1 point), participation (1 point), preparation (1 point)\