

Georgia Institute of Technology
Institute Undergraduate Curriculum Committee
2011-2012 Annual Report

October 23, 2012

3-5:00 p.m.

Student Center Theater

Fall Meeting of the General Faculty, General Faculty Assembly, & Academic Senate
incl. Standing Committee Annual Reports

Members: Pradeep Agrawal (ChBE), Yih-Long Chang (MGT), Tom Conte (CoC-CS), Thanos Economou (ARCH), Doug Flamming (HTS), Mike Goodisman (BIOL), Martha Grover (ChBE), Matt Higgins (MGT), Laura Hollengreen (ARCH), Charles Isbell (CoC-IC), Michael Loss (MATH), Pete Ludovice (ChBE), Chris Paredis (ME), George Riley (ECE), Jerry Seitzman (AE), Carol Senf (LCC), Marc Smith (ME), Bruce Walker (PSYC), Robert Whetten (CHEM&BIOCHEM), Lisa Yaszek (LCC), Reta Pikowsky (Registrar), John Stein (Dean of Students), Amit Khanduri (UG Student), Cam Tyson (Executive Board Liaison)

Meetings: The IUCC held 20 meetings during the 2011-2012 academic year plus additional meetings on focused topics (General Education, Study Abroad, and Program Review). The work of the committee falls into five main categories (Curriculum Items, Student Petitions, General Education, Study Abroad, and Program Review). Activities in each of these areas are outlined below.

Dr. Jerry Seitzman served as Chair of the Committee. Dr. Laura Hollengreen served as Vice Chair of the Committee.

Curriculum Items

Over the 2011-2012 academic year, the IUCC approved several modifications and additions to Georgia Tech's degrees, minors, certificates, and courses that carry Core attributes. Catalog changes were approved along with new courses and deactivation of courses.

Catalog Changes or Clarifications:

- Catalog description for MATH 1502, MATH 1512, MATH 15X2, MATH 1522

Degree Modifications (Note: All degrees are BS degrees):

- Civil Engineering
- Environmental Engineering
- Industrial Engineering
- Computational Media (Interdisciplinary – IAC and CoC)
- Changes to the International Plan option for all degrees that offer it
- Chemistry
- Aerospace Engineering
- Computer Engineering

- Electrical Engineering
- Mechanical Engineering (including Cooperative Plan and International Plan)
- Computer Science (name change for the Platform Thread)
- Computer Science
- Clarification of changes intended for the Computation Media degree

Changes to Names of Majors:

- Management changed to Business Administration

Changes to the Names of Schools:

- School of Literature, Communication, and Culture renamed to School of Literature, Media, and Communication

New Minors:

- Minor in Korean
- Minor in Energy Systems
- Minor in Computing and Management
- Minor in Health, Medicine, and Society

Minor Modifications:

- Minor in Psychology
- Minor in Computer Science
- Minor in Performance Studies
- Minor in Energy Systems

New Certificates:

- Certificate in Scenarios, Models, and Military Games
- Business Law and Ethics

Certificate Modifications:

- Linguistics Certificate

New Courses in:

- Civil and Environmental Engineering
- Chinese
- Spanish
- Mechanical Engineering
- Economics
- Chemistry
- GT (College of the Registrar courses such as GT 1000)
- Earth and Environmental Sciences
- History, Technology, and Society
- Architecture
- Electrical and Computer Engineering
- Management
- Biology

- Linguistics
- City and Regional Planning
- Computer Science

Courses Requesting Core Attributes (Social Sciences or Humanities):

Note: Not all were approved and some are still in process.

- MGT 3609 Legal Aspects of Real Estate
- MGT 3607 Business Ethics
- MGT 3608 Technology Law & Ethics
- LCC 4602 Performance Practicum
- ECON 3300 Economics of International Energy Markets
- HTS 2080 Introduction to the History of Disease and Medicine
- INTA 4014 Scenario Writing and Pathgaming
- INTA 4016 Strategy and Arms Control
- INTA 4742 Modeling, Simulation & Military Gaming
- INTA 2801 Special Topics
- INTA 2802 Special Topics
- INTA 2803 Special Topics
- INTA 2804 Special Topics
- CHIN 3696 Economic Development & Sustainability in China
- SPAN 3040 A Practical Review of Spanish Grammar
- SPAN 3590 Issues of Sustainable Development in Andean Region
- SPAN 3591 Cultural Patrimony in Peru*
- HTS 3048 Russian History
- HTS 3055 Globalization
- HTS 3080 History of Rocketry
- HTS 3081 Technology and the Environment
- HTS 4091 Seminar in Global Issues
- HTS 2040 History of Islamic Societies to 1500
- LING 2100 Introduction to Linguistics
- ARCH 4135 City Literacy

Courses Requesting Core Attributes (Global Perspectives Overlay):

Note: Not all were approved and some are still in process.

- RUSS 1694 Intensive Elementary Russian II
- RUSS 2691 Intensive Intermediate Russian I
- RUSS 2692 Intensive Intermediate Russian II
- HIST 3065 History of Global Societies
- FREN 2005 LBAT French Culture and Language
- ECON 4415 Conflict and Security in Developing Countries
- MGT 3606 International Business Law

- MGT 3660 International Business
- INTA 2801 Special Topics
- INTA 2802 Special Topics
- INTA 2803 Special Topics
- INTA 2804 Special Topics
- ECON 3300 Economics of International Energy Markets
Energy Systems Minor course - other participating units did not request GP attribute
- HTS 2080 Introduction to the History of Disease and Medicine
- HTS 4091 Seminar in Global Issues
- HTS 2040 History of Islamic Societies to 1500
- ARCH 4135 City Literacy
- HTS 3055 Globalization (existing course)

Deactivated Courses:

- INTA 3750
- ARCH 4021, 4022, 4023, 4105, 4106, 4219, 4420
- AE 3122
- LING 2001

Courses with Changed Pre-requisites:

- PSYC 4100
- CHEM 3111
- CHEM 3211
- ECE required courses minimum grade of D and do not allow concurrency (2-14-12 Minutes)
- APPH 4200
- ISyE (see April 17 Minutes)
- MSE (see April 17 Minutes)
- ME 3340
- ECON 3160

Core Curriculum

An update from the General Education Subcommittee was provided for the IUCC in September, 2011 regarding the new Core Curriculum, including the approved learning outcomes.

Allowing Courses to be used for Degree Requirements:

GT 4801- Career Development was approved as a Free Elective, if the Schools wish to allow it and as long as it does not interfere with any existing program restrictions

Administrative Matters

- Chair and Vice Chair met with the Executive Board regarding changes to the Course Instructor Opinion Survey (CIOS) and how these changes would be announced and acted on in the future.
- The Registrar's Office asked for input from the Committee on the content for the Tech diploma.

- The Committee approved a process for approving courses proposed by non-academic units.
- The academic review process was discussed throughout the year. The entire process, as of the end of the 2011-2012 academic year, is under review by the Provost's Office. Changes, if any, will be reported to the Curriculum Committees and adjustments, as needed, will be made in the next academic year.
- The Committee discussed the posthumous degree policy and determined that more discussion was needed. This will be put on the agenda for the Committee in the Fall.

Posthumous Degrees:

- BS in Computational Media (1 student)
- BS in Computer Engineering (1 student)
- BS in International Affairs (1 student)
- BS in Electrical Engineering (1 student)

Student Petitions and Appeals: The IUCC acted on 448 petitions, reviewed 17 written appeals of denied petitions, and heard no in-person appeals of denied petitions. Approved by the Registrar, under the authority of the Committee, were 371 petitions including requests such as readmission after the first drop, use of a "D" grade when the second attempt of the course resulted in an F grade, and requests to return in the following term after withdrawing.

Of the 836 petitions that were acted on, 291 (34.80%) were denied. Of the 17 appeals, 6 (35.29%) were denied. Petitions that are handled administratively by the Registrar are sent on to the committee for regular processing only as needed if a decision to approve cannot be rendered.

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| 2011-2012 | 448 Petitions, 17 written appeals, 0 in-person appeals, 371 petitions handled administratively (836) |
| 2010-2011 | 408 petitions, 18 written appeals, 5 in-person appeals, 312 petitions handled administratively (743) |
| 2009-2010 | 481 petitions, 14 written appeals, 3 in-person appeals, 306 petitions handled administratively (804) |
| 2008-2009 | 430 petitions, 11 appeals, 313 petitions handled administratively (754) |
| 2007-2008 | 558 petitions, 11 appeals, 213 petitions handled administratively (882) |
| 2006-2007 | 576 petitions, 36 appeals, 298 petitions handled administratively (910 total) |
| 2006-2007 | 579 petitions, 21 appeals, 140 petitions handled administratively (740 total) |

General Education Subcommittee:

The Committee met several times throughout the year to discuss the core curriculum, assessment of core curriculum learning outcomes, and to approve courses requesting

core curriculum attributes. A procedure was developed by the Registrar's Office for approving courses to be included in the course curriculum and was approved by the General Education Subcommittee. The procedures were put into place in Spring 2012.

With input from the General Education Subcommittee, the Registrar's Office redesigned the ICC web site, including a page for submission of undergraduate course syllabi. The undergraduate course syllabi project is underway. The General Education Subcommittee will, in the coming year, develop a process for reviewing the syllabi.

The Committee expects that it will continue to be active in the coming year. The General Education Subcommittee was chaired by Dr. Michael Loss and Vice Chaired by Dr. Larry Bottomley.

Program Review Subcommittee:

Program Review Subcommittee work was put on hold toward the end of the year to await a process analysis by the Provost's Office. Once the process analysis has been completed, it will be determined whether this subcommittee remains necessary, and if so, how it will operate in the future.

Study Abroad Subcommittee:

In 2011-12, the Study Abroad Subcommittee reviewed and approved proposals for 1 spring semester faculty-led program, 1 spring semester embedded study abroad program, 26 summer faculty-led programs, and heard 0 student appeals. One summer program was cancelled due to low enrollment. The Committee held two meetings during Fall Semester 2011, and conducted the rest of its business by e-mail.

Submitted by:

Dr. Jerry Seitzman, School of Aerospace Engineering
Chair, IUCC, 2011-2012