

Georgia Institute of Technology
2012-2013 Annual Report
Graduate Curriculum Committee

October 22, 2013

3-5:00 p.m.

Student Center Theater

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

Members: 20

Meetings: The Graduate Committee met 11 times during the 2012-2013 year. Dr. Benjamin Flowers Clarke served as Chair of the Committee. Dr. Jeff Jagoda served as Vice Chair of the Committee. Reta Pikowsky served as Secretary of the Committee. The business of the Committee is related to curriculum proposals and student petitions.

Curriculum Items: Over the 2012-2013 academic year, the GCC approved several modifications and additions to Georgia Tech's degrees, clarifications on policy, new courses, changes to courses, student petitions, and review of academic policies.

Special Meeting

- A special meeting of the Committee was called to discuss recent developments arising from proposals to significantly alter the mode of course delivery of graduate programs. The Committee discussed under what conditions changes in the mode of course delivery would necessitate a change in course content. Likewise, the Committee discussed how these large-scale changes in course delivery could take place while maintaining rigorous standards for admission and assessment of student performance. A review of the Committee's charge in the *Faculty Handbook* indicates these issues fall under the purview of the Graduate Curriculum Committee. A statement of expectations and procedures was included in the July 25, 2013 Minutes that documents the outcome of the special meeting.

Informational Items

- Presentation on possible new professional degrees by Dr. Leo Mark (see 2/7/13 Minutes for more details)

On-line Degrees and MOOCs

- The College of Computing outlined its plans for delivery of the Master of Science in Computer Science via distance delivery (already approved) and discussed a partnership with another entity to deliver the courses (see the 3/7/13 Minutes for details).
- Updates on the on-line MS-CS were provided.

Academic Policy

- Office of Research Compliance – defer implementation of RCR (Responsible Conduct of Research) requirement for Master’s Students (see 9-13-12 Minutes for details)
- A policy statement recommendation to the Provost’s Office on the content of the diploma (see November 1, 2012 Minutes for details).
- The Committee discussed the meaning of “in residence” for doctoral students. There are different and conflicting interpretations on campus as to what this regulation means (see the 1/17/13 Minutes for more details)

New Degree/Program Prospectus

- Professional Master’s in Sustainable Electrical Energy
- Doctor of Philosophy with a major in Quantitative BioSciences

New Degrees or Concentrations/New Dual or Joint Degrees:

- External Dual DPT/PhD in Applied Philosophy with Emory University
- External Dual PhD with a major in Mechanical Engineering with Seoul National University
- External Joint MS with a major in Mechanical Engineering with the University of Stuttgart
- External Dual MS with a major in Mechanical Engineering with the University of Rome

Degree/Program Modifications:

- Master of Science in Geographic Information Science and Technology – this new degree proposal was already approved and was caught up in a prolonged discussion with the BOR. This proposal was to address one of the questions that came up during the BOR review that needed to be resolved before a final decision could be made by the BOR on the new degree.
- Master of Science in Prosthetics and Orthotics
- Doctor of Philosophy with a major in Biomedical Engineering
- Master of Science in Biomedical Engineering
- Master of Science in Electrical and Computer Engineering (change in China location)
- Master of Business Administration in Management of Technology
- Master of Business Administration – Global Business
- Doctor of Philosophy with a major in Digital Media
- Master of Science in History and Sociology of Technology and Science
- Master of Science in Computer Science (MSCS concentration in Human-Centered Computing)
- Master of Architecture
- Additional School participating in a multidisciplinary degree – School of Industrial Design, Master of Science in Human-Computer Interaction
- Master of Science in Human-Computer Interaction (School of Industrial Design added as a participating unit)

New Certificates:

- Science, Technology, and Society

Modifications to Certificates:

- Public Policy
- Certificate in Mechanical Properties of Solids changed name **to** Certificate in Mechanical Properties of Materials

New courses were approved in:

- MGT 6114: Leadership Development
- BC 6675: Residential Design & Construction
- ARCH 6071: Arch Design & Research Studio
- ARCH 6072: Arch Design & Research Studio 2
- ARCH 6230: Construction Tech
- ARCH 6320: Practice of Arch 1
- ARCH 6322: Practice of Arch 2
- ARCH 6350: Theory of Architecture 1
- ARCH 6352: Theory of Architecture 2
- ARCH 6470: Arch Modeling & Media 1
- ARCH 6472: Arch Modeling & Media 2
- ARCH 6474: Arch Modeling & Media 3
- EAS 6000 Introduction to Research & Ethics
- BMED 7002: Teaching Practicum I
- BMED 7003: Teaching Practicum II
- BMED 7013: Integrative Core-Problem Solving with Computational Models
- BMED 7201: Advanced Seminar-Cardiovascular Biology & Biomechanics
- BMED 7310: Stem Cell Engineering
- ECON 7026: Microeconomic Analysis
- CEE 6431: Plasticity of Geomaterials
- CEE 6548: Inelastic Design
- HTS 6743: Science, Technology, & Society: Core Seminar, also offered as PUBP 6743 and LCC 6743
- PUBP 6748: Social Justice, Critical Theory, and Philosophy of Design, also offered as LCC 6748
- PUBP 6749: Feminist Theory and Science and Technology Studies
- IMBA 6031: Leadership and Organizational Behavior
- IMBA 6071: Financial Management
- IMBA 6311: Analysis of Global Environments
- IMBA 6401: Global Strategy Project I
- IMBA 6411: Global Strategy Project II
- IMBA 6430: Business Strategies for Sustainability
- MOT 6132: MOT Project I
- MOT 6134: MOT Project II
- APPH 6400: Human Neuroanatomy
- CEE 8096: Environmental Fluid Mechanics & Water Resources Seminar

- ID 6215: Service Design
- ID 6271: Healthcare Design of the Future
- ID 6401: Visualizing Interaction
- ID 6420: Advanced Sketching
- ID 6510: Design for Interaction
- ID 6515: Interface Prototyping
- CHBE 6001: Introduction to Research
- PSYC 6000: Responsible Conduct of Research
- BC 6285: Management of Pre-Design Phase as Owner
- BC 6385: Management of Design Phase as Owner
- BC 6585: Management of Construction as Owner
- BC 6685: Leadership & Communication in Design & Construction
- CEE 6720: Environmental Microbial Genomics, also offered as BIOL 6720
- MGT 6082: Fundamentals of Real Estate Development
- MGT 6083: Real Estate Practicum
- ID 6753: HCI Professional Preparation & Practice
- ID 6998: HCI Master's Project
- ID 8903: Special Problems in HCI
- ME 6408: Advanced Mechatronics

Re-approval of Existing Courses

- This is required under the new policy that governs the offering of courses by non-academic units.
 - CETL 8000 GTA Preparation (with exception of ECE which requires stricter guidelines before offering)
 - CETL 8721 Academic Writing
 - CETL 8741 International Academic Writing
 - CETL 8713 Teach&Learn-Higher Edu
 - CETL 8715 Teach Practicum-HigherEd
 - CETL 8717 Course Design-Higher Edu
 - CETL 8719 Teach Immersion-HigherEd

New Cross-Listing of Courses

- ME 6746 (new course) cross-listed with APPH 6746
- BMED 6730 (new course) cross-listed with MSE 6730

Course Prerequisite Modifications:

- ME 6401

Deactivated Courses:

- ARCH 6053: Architecture Options Studio III
- ARCH 6131: Master's Project Studio
- ARCH 6132: Architecture Theory and Criticism I
- ARCH 7090: Architecture Theory and Criticism II
- BMED 8696: TATTO Stage II
- BMED 8697: TATTO Stage III

- CEE 6547: Nonlinear Design
- CEE 8093: Water Resources Seminar
- CEE 8092: Fluid Mech & Hydraulic Seminar
- Note: Some of these courses were replaced with new ones. See Minutes of 6/6/13 for more details.
 - MGT 6050 Mgt Information Systems
 - MGT 6085 Entrepreneurial Finance
 - MGT 6109 Mgt Aspects-Adv Mfg Tech
 - MGT 6120 Financial Accounting
 - MGT 6121 Managerial Accounting
 - MGT 6122 Analytical Tools for Mgt
 - MGT 6131 Macroecon Environ of Bus
 - MGT 6132 Financial Rpt&Analy Tech
 - MGT 6133 Business Law and Ethics
 - MGT 6184 Export-Import & Trade
 - MGT 6195 Strategic Management
 - MGT 6318 Marketing Technology
 - MGT 6340 EC Marketing
 - MGT 6358 Quality Control
 - MGT 6362 Supply Chain Mod & Rev Mgt
 - MGT 6775 MOT Seminar
 - MGT 6777 Analysis-Emerging Tech
 - MGT 6788 Legal Issues Biomed Engr
 - MGT 6811 Integrative Mgt Analysis
 - MGT 6814 Law, Mgt and Economics
 - MGT 6820 Unstructured Mgr Problem
 - MGT 7351 Operation Strategy II
 - MGT 8821 Special Topics
 - MGT 8850 Research Topics-Finance
 - MGT 8855 Research Topic-Oper Mgt
 - MGT 8863 Special Topics-Finance
 - MGT 8883 Special Topics-Oper Mgt

Change in CIP Code

- Master of Science in Computational Science and Engineering from 11.999902 to 11.070102
- Doctor of Philosophy with a major in Computational Science and Engineering to 11.999902 to 11.070102

Student Petitions and Appeals:

The Graduate Committee acted on 198 student petitions. Of these, 164 were handled administratively in areas where the Committee had delegated responsibility to the subcommittee and/or the Registrar. There were 0 written appeals that were acted on in 2012-2013. In academic year 2011-2012, the Committee acted on 253 petitions.

Submitted by:

Dr. Benjamin Flowers, College of Architecture
Chair, GCC, 2012-2013