

**Georgia Institute of Technology
Graduate Curriculum Committee**

Minutes

September 13, 2012

Present: Jagoda (AE), Pikowsky (Registrar), Ferri (ECE), Neitzel (ME), Jayaraman (MSE), Breedveld (ChBE), Van Ittersum (CoB), Potts (Grad Studies), Storici (BIOL), Mazalek (LCC)

Visitors: Laros (REG), Merkousko (REG), Hicks (PUBP), Sullivan (BMED), Borenstein (PUBP), Stanley (BMED), Castro (BC), Gamble (ARCH), Pereira (ARCH), Irizarry (BC)

Note: All action items in these minutes require approval by the Academic Senate. In some instances, items may require further approval by the Board of Regents or the University System of Georgia. If the Regents' approval is required, the change is not official until notification is received from the Board to that effect. Academic units should take no action on these items until USG and/or BOR approval is secured. In addition, units should take no action on any of the items below until these minutes have been approved by the Academic Senate or the Executive Board.

Academic Matters

1. A motion was made to **approve** a request by the Office of Research Compliance to defer implementation of the RCR requirement for Master's students. The motion was seconded and approved.

Current requirement –

Effective for students enrolling in Fall 2011, all incoming PhD students will be required to complete Responsible Conduct in Research (RCR) training. Starting in Fall 2012, all incoming research-based MS students (those with a thesis, practicum, or significant project component) will be required to complete RCR training. This required training consists of completion of an online course within 90 days of enrollment and a minimum of 8 hours of in-person training preferably by the end of the first 12 months of graduate study.

The modified proposal -

The implementation of the Master's student portion of the Responsible Conduct of Research (RCR) Academic Policy, which was originally slated to begin Fall 2012, will be deferred until Fall 2014. This will provide the RCR Advisory Committee with additional time to initiate a process for determining what is appropriate for Master's students and to develop recommendations that will be circulated to various entities across the campus including the VPGEFA's Office, the ADRs, and the IGCC.

2. A motion was made to **table** a request by the Department of Biomedical Engineering for degree modifications, new courses, and course deactivations. The motion was seconded and approved.

Degree Modifications - Tabled

The committee had concerns with several of the courses proposed that would be used for these degree modifications and a decision was made to table the entire set of proposals until these concerns could be addressed.

These proposals have been added to the next agenda to be reviewed again.

- Doctor of Philosophy with a major in Biomedical Engineering
Joint GT and Emory Program
- Master of Science in Biomedical Engineering
Joint GT/Emory Program
- Doctor of Philosophy with a major in Biomedical Engineering
Joint GT/Emory/PKU Program

New Courses - Tabled

BMED 7002: Teaching Practicum I	0-3-1
BMED 7003: Teaching Practicum II	0-3-1
BMED 7013: Integrative Core-Problem Solving with Computational Models	3-0-3
BMED 7201: Advanced Seminar-Cardiovascular Biology & Biomechanics	3-0-3
BMED 7310: Stem Cell Engineering	3-0-3

Deactivate Courses - Tabled

BMED 8696: TATTO Stage II
BMED 8697: TATTO Stage III

3. A motion was made to **approve** a request by the School of Public Policy for a certificate modification. The motion was seconded and approved.

Certificate Modification – Approved

Certificate in Public Policy

New elective courses were added to the list of courses (additions in red below)

Certificate Requirements

Students are required to earn at least a B in every course that counts toward the certificate. The credit requirements for the Certificate in Public Policy are 12 semester hours.

Required Course

Choose one of:

6012 – Fundamentals of Policy Processes
6201 – Public Policy Analysis

Electives

Three electives are required for the certificate. These electives can be chosen from the list below or from graduate level special topics offered by the public policy faculty with the agreement of the certificate advisor. The electives are organized by broad area of interest to

guide students in choosing electives that best suits their interests. Students are not required to choose all electives from the same grouping.

- Analytical methods
 - 6112 – Research Design in Policy Science
 - 6114 – Applied Methods and Data Analysis
- Economic development
 - 6602 – Economic Development Analysis and Practice
 - 6606 – Urban Development Policy
 - 6415 – Technology, Regions, and Policy
 - 6600 – Foundations of Local Economic Development Planning and Policy
 - 6740 – Innovation, the State and Industrial Development**
 - 6741 – Geography of Innovation**
- Economics for public policy
 - 6116 – Microeconomics for Policy Analysis
 - 6118 – Public Finance Policy
- Ethics and values
 - 6010 – Ethics, Epistemology, and Public Policy
 - 6326 – Environmental Values and Policy Goals
- Environmental & energy policy
 - 6310 – Environmental Issues
 - 6312 – Economics of Environmental Policy
 - 6314 – Policy Tools for Environmental Management
 - 6326 – Environmental Values and Policy Goals
 - 6327 – Sustainability & Environmental Policy**
 - 6701 – Energy Technology & Policy**
- Information technology
 - 6111 – Internet and Public Policy
 - 6501 – Information Policy and Management
 - 6502 – Information and Communications Technology Policy**
- Public administration
 - 6014 – Organization Theory
 - 6017 – Public Management
 - 6018 – Policy Implementation and Administration
 - 6226 – Business and Government
- Science and technology policy
 - 6401 – Science, Technology and Public Policy
 - 6402 – Research Policy and Management
 - 6403 – Scientific Careers and Workplaces**
 - 6417 – Critical Perspectives on Science and Technology

6440 – Science, Technology and Regulation

6753 – Comparative Science and Technology Policy

4. A motion was made to **acknowledge** without concern a request by the School of Mechanical Engineering for a prerequisite modification. The motion was seconded and approved.

Prerequisite Modification – Acknowledged without concern

ME 6404: Advanced Control System Design and Implementation

Current requirements -

Corequisites: ME 6401

Prerequisites: ME 6403 Minimum Grade of D

New requirements -

The prerequisite of ME 6403 – Digital Controls – is being dropped. Over the years the material in ME 6403 has become less relevant to advanced controls in ME 6404, so it is no longer required. So, we are just keeping the corequisite of ME 6401.

5. A motion was made to **table** a request by the School of Mechanical Engineering for a new course. The motion was seconded and approved.

New Course – Tabled

ME 6408: Advanced Mechatronics

1-6-3

This course was presented as being previously a part of ME 6405 - Introduction to Mechatronics and that this change would make ME 6405 as one of two possible prerequisites for this new course. The concern was how much this changes what ME 6405 actually is and does that course need to be renamed and renumbered. Mechanical Engineering will address these concerns and bring this back to a future meeting for review.

6. A motion was made to **approve** a request by the College of Business for a new course. The motion was seconded and approved.

New Course - Approved

MGT 6114: Leadership Development

3-0-3

The College of Business verified per an email that MGT 6114 was a unique course and was not jointly listed with an undergraduate level course.

7. A motion was made to **approve** a request by the School of Building Construction for a new course. The motion was seconded and approved.

New Course – Approved

BC 6675: Residential Design & Construction

3-0-3

8. A motion was made to **approve** a request by the School of Architecture for new courses and to deactivate courses. The motion was seconded and approved.

New Courses - Approved

ARCH 6071: Arch Design & Research Studio 1	1-15-6
ARCH 6072: Arch Design & Research Studio 2	1-15-6
ARCH 6230: Construction Tech 2	2-3-3
ARCH 6320: Practice of Arch 1	3-0-3
ARCH 6322: Practice of Arch 2	3-0-3
ARCH 6350: Theory of Architecture 1	3-0-3
ARCH 6352: Theory of Architecture 2	3-0-3
ARCH 6470: Arch Modeling & Media 1	2-3-3
ARCH 6472: Arch Modeling & Media 2	2-3-3
ARCH 6474: Arch Modeling & Media 3	2-3-3

The Registrar's Office and School of Architecture worked together after the GCC meeting to finalize the exact course numbers to be used for the Arch Modeling & Media courses to get a series of numbers that were unused and in a sequence.

Deactivate Courses - Approved

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

Deactivation of these courses to be effective Fall 2013.

Student Petitions

The following petitions were handled administratively under the authority that was delegated to the Petitions Subcommittee.

(All approved except where noted.)

- 3- Full Graduate Standing
- 1- Cancel registration
- 1- Waive the two year rule for the BS/MS program
- 1- Submit graduation petition late (**Denied**)
- 1- Late registration

Adjourned,

Reta Pikowsky
Registrar