

Georgia Institute of Technology
Graduate Curriculum Committee
Minutes
Thursday, March 13, 2008

Present: Gupta (Graduate Student), Pikowsky (REG), Smith (AE), Martins (MGT), Babensee (BME), Goldsman (ISyE), Craig (AE), Butera (ECE), Barry (CHEM), Potts (GRAD PROGS), Peponis (COA), Craig (AE)

Visitors: DeWeerth (BME), Cross (GTRI), Jacobs (COE), Howson (REG), Laros (REG)

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. Items that are marked below with an asterisk (*) require USG and/or BOR approval and are not official until approval has been received. 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.

1. There were no minutes to be approved. Past minutes were approved via email. There were no administrative items on the agenda.
2. There were no actions or recommendations on student petitions to approve.
3. A motion was made to table a request from the College of Engineering, GTRI, and DLPE for a new Professional Master's degree in Applied Systems Engineering. The motion was seconded and approved. Unanimous.

NOTE: Global issues related to the proposal that need to be addressed include the specific prerequisites for admission to the program, the marking of non-tenure track faculty on the new course proposal forms, the question of what to do with the AE equivalent courses if a student wishes to return for this degree, and other clarifications needed on the new course proposal forms. It was also noted that the major schools involved have not yet voted on this proposal.

4. A motion was made to approve a request from the College of Management for curriculum changes and new courses for the MBA-Global Business degree. The motion was seconded and approved. Unanimous.

CURRICULUM CHANGE

PURPOSE OF THE REVISION

In our assessment, the revised curriculum we propose achieves three objectives.

- It better reflects the knowledge and skills that managers in global organizations need to succeed and it better matches the curriculum at other peer institutions with globally focused MBA programs.
 - It better reflects and takes advantage of the unique strengths and capabilities of the College of Management and Georgia Tech
 - It reflects our learning from the two classes that have graduated from the GEMBA program that implements the MBA-GB curriculum. While the MBA-GB curriculum has been offered for three years, the design of the curriculum is more than a decade old.

MAJOR THEMES IN THE NEW CURRICULUM

In addition to the core MBA classes that represent a common body of knowledge, we include four themes that reflect the global business emphasis in the GEMBA curriculum.

Please note that there is no change in the number of credit hours in the program. The changes to the curriculum are limited to:

- The introduction of a set of new courses, and
- Removing a set of courses required in the previous curriculum.

NOTE: The revision to the curriculum will be effective for students who enroll in the program starting in Fall 2008. It will not affect students currently enrolled in the program. Courses that are needed for these students to graduate will not be deactivated.

NEW COURSES

Prerequisite for all: Open only to students enrolled in the MBA-GB program.

IMBA 6021 Data Analysis for Business 2-0-2
IMBA 6081 Manufacturing and Service Management 2-0-2
IMBA 6131 Strategic Management Theory and Analysis 2-0-2
IMBA 6240 Ethical Issues in Global Business Environments 1-0-1
IMBA 6061 Information Systems for Global Organizations 2-0-2
IMBA 6250 International Finance 2-0-2
IMBA 6121 Managing the Global Workforce 2-0-2
IMBA 6260 Global Supply Chain and Electronic Commerce 2-0-2
IMBA 6101 Product Strategies for Global Markets 2-0-2
IMBA 6300 Analysis of Global Environments I 2-0-2
IMBA 6310 Analysis of Global Environments II 3-0-3
IMBA 6400 Global Strategy Project I 0-3-1

IMBA 6410 Global Strategy Project II 0-3-1
IMBA 6420 Global Strategy Project III 0-6-2

5. A motion was made to approve a request from the College of Management to reactivate two courses. The motion was seconded and approved. Unanimous.

REACTIVATE

MGT 6124 Legal Environment of Business 2-0-2
MGT 6128 Business Ethics 1-0-1

NOTE: MGT 6133 Business Law and Ethics (3-0-3) replaced these two courses last year. However, the need has arisen to allow for offering this content in either the combined or separate options. **Students may not receive credit for both MGT 6133 and MGT 6124 and 6128.**

6. A motion was made to approve a request from the School of Biomedical Engineering for a new curriculum for the GT/Emory Ph.D. program in Biomedical Engineering and new cross-listing of a courses. The motion was seconded and approved. Unanimous.

The **present curriculum** includes the following coursework (courses designated with "*" are part of the current first-year core curriculum):

- BMED 6011*/6012*: Engineering Science I/II (4+4)
- BMED 6021*/6022*: Biomedical Engineering Problem Solving I/II (2+2)
- BMED 6031*/6032*: Principles of Basic Biomedical Sciences I/II (6+6)
- BMED 6041*: Analytical Methods for Biomedical Engineering (3)
- BMED 6042*: Systems Physiology (3)
- BMED 8130: Bioethics-Values in Science (1)
- BMED 8695/8696/8697: Teaching Assistant Training I/II/III (1+1+1)
- Technical electives (9)

The total number of required hours in this curriculum is 43.

The **revised curriculum** will facilitate individual flexibility and depth of study by eliminating the core curriculum, and replacing it with coursework selected by the student (and thesis advisor) in

specific categories as follows (the categories are describe on the following page):

- BME Integrative Core (two 3-hour courses required)
- Engineering/ Bioscience Fundamentals (18 hours minimum)
- BME Advanced Graduate Seminar (one 3–5-hour course required)

Additional course requirements include

- BMED 8130: Bioethics-Values in Science (1)
- BMED 8695/8696/8697: TATTO I/II/III (1+1+1)
- BMED 8010: BME Seminar (4 semesters @ 1 hour / semester)

- 9-hour academic minor (note: it is expected that this requirement will typically be met using courses in the Engineering/Bioscience Fundamentals category)
The resulting total minimum number of required hours is 35. It is anticipated (although not required) that student may take other elective coursework to fulfill the requirements of their individual research projects and/or training grants.

NOTE: Special topics courses already exist for some of this content. New course proposals will be forth coming, but there may or may not be special topics in existence already for all of them.

NEW CROSS-LISTINGS

BMED 7785: Introduction to Robotics Research
BMED 8750: Multidisciplinary Robotics Research I
BMED 8751: Multidisciplinary Robotics Research II

Each of these courses is already cross listed among Computer Science (CS), Aerospace Engineering (AE), Electrical and Computer Engineering (ECE), and Mechanical Engineering (ME). We would like to be added to that cross listing.

Adjourned,

Reta Pikowsky
Registrar