

**Georgia Institute of Technology**  
**Graduate Curriculum Committee**  
Minutes  
**Thursday, April 10, 2008**

**Present:** Pikowsky (REG), Smith (AE), Babensee (BME), Goldsman (ISyE), Butera (ECE), Barry (CHEM), Craig (AE), Murray (LCC), Parker (ISyE)

**Visitors:** DeWeerth (BME), Cross (GTRI), Howson (REG), Nichols (PHYS), Daniell (APPL PHYSIOLOGY), McDermott (GTRI), Bishop (GTRI/AE), Siegal (BME), McIntire (BME), Vito (Provost's Office), Jacobs (COE), Ferri (ECE)

**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. A motion was made to approve the Subcommittee's recommendations on student petitions. The motion was seconded and approved. Unanimous.

<b>Reason for Petition</b>	<b>Approved</b>	<b>Denied</b>	<b>Tabled or No Action</b>
Late withdrawal from term	3		
Late selective course withdrawal	2		
Change to full graduate status and use courses taken in Special status toward MS degree	2		
Double count course toward MS degree		1	
Use credits taken in Special status toward Master's degree			1
<b>TOTAL:</b>	<b>7</b>	<b>1</b>	<b>1</b>

3. A motion was made to approve a request from the School of Applied Physiology for a new Ph.D. concentration in Prosthetics and Orthotics and new courses. The motion was seconded and approved. Unanimous.

NOTE: The original request was for a new Ph.D. degree in Applied Physiology: Prosthetics and Orthotics. After some discussion, it was suggested that changing the request to a new concentration for the existing Ph.D. program in Applied Physiology was more appropriate. The suggestion was accepted by the proposers and the vote was taken on the revised request. This is a nine-month program.

## NEW COURSES

APPH 6214 Laboratory Rotations in Prosthetics and Orthotics 0-6-2

Note: This course will be repeated and the credit will count each time. The new course proposal form was revised to show this as both required and elective credit.

APPH 6216 Directed Studies in Rehabilitation Research: Prosthetics and Orthotics 1-0-1

APPH 6215 Directed Studies in Responsible Conduct of Research in Prosthetics and Orthotics 3-0-3

4. A motion was made to approve a request from the College of Engineering, the Georgia Tech Research Institute, and the Division of Distance Learning and Professional Education for a new Professional Master's degree in Applied Systems Engineering and new courses. The motion was seconded and approved. The vote was not unanimous.

Note: Following the discussion of this proposal, it was determined that there were significant issues that needed to be addressed in the final document. The most pressing of the concerns was the apparent lack of quality controls. To address this issue, the Committee asked that the proposal be revised to indicate that the Executive Director be someone from the academic faculty, or at least a joint directorship that would include someone from the academic faculty. Also, the admissions committee should have representation/input from a member of the academic faculty representing the participating units (AE, ISyE, and ECE).

## NEW COURSES

PSE 6001 Fundamentals of Modern Systems Engineering 3-0-3

PSE 6002 Systems Design and Analysis 3-0-3

PSE 6003 Modeling and Simulation for Systems Engineers 2-3-3

PSE 6004 Leading Systems Engineering teams 3-0-3

PSE 6005 Advanced Topics in Systems Engineering Modeling with SysML 3-0-3

PSE 6006 Systems Engineering Laboratory 1-6-3

PSE 6101 Vehicle Systems Analysis and Synthesis 3-0-3

PSE 6111 Sensor Systems Analysis and Synthesis 3-0-3

PSE 6121 Information Systems Analysis and Synthesis 3-0-3

PSE 6102 System of Systems and Architecture 3-0-3

PSE 6103 Complex System Lifestyle and Integration 3-0-3

PSE 6104 Complex System Design and Integration (Capstone) 1-6-3

5. A motion was made to approve a request from the School of Literature, Communication and Culture for a five-year BS/MS program in Digital Media. The motion was seconded and approved. Unanimous.

This BS/MS degree program links the CM BS with the DM Master's degree. The current total of 158 hours of course work for these two degrees (122 for CM, 36 for DM) would become 152 by adding 12 hours of graduate courses to the undergraduate schedule and counting 6 hours of graduate work for both graduate and undergraduate credit. Fourth-year undergraduates would take the graduate courses on the same schedule as those entering the regular MS program, and in the second year their curriculum would follow the usual MS curriculum.

6. A motion was made to approve a request from the School of Public Policy for a new course. The motion was seconded and approved. Unanimous.

### NEW COURSE

PUBP 6741 Geographics of Innovation: Regions, Labor Markets, and Development 3-0-3

Note: The new course proposal form was revised to show all grade Basis selected and the hours were corrected to read 3-0-3.

7. The Committee accepted the academic program reviews for the School of History, Technology and Society and the College of Computing. Assignments for pending reviews were made by the Chair.
8. A motion was made to approve a request from the School of Electrical and Computer Engineering for modification of degree requirements for the Undesignated MS in Electrical and Computer Engineering, modifications of degree requirements for the MS in Electrical and Computer Engineering and modifications of degree requirements for the Doctor of Philosophy with a major in Electrical and Computer Engineering. The motion was seconded and approved. Unanimous.

Modify degree requirements for the MS/MSECE:

- Remove requirement of minimum 2.7 GPA in minor courses
- Require C or better grade in all courses to be counted towards degree

Modify degree requirements for the Ph.D. with a major in ECE:

- Require C or better grade in all courses to be counted towards the degree. Note – That there are no current minimum grade requirements imposed by the School of ECE for either of these degrees.

Remove the requirement that students have an ABET-accredited undergraduate degree, or its equivalent, in order to receive the MSECE degree.

9. A motion was made to approve a request from the College of Engineering for a new global Ph.D. program in Biomedical Engineering jointly awarded by the Georgia Institute of Technology, Emory University, and Peking University in Beijing. The motion was seconded and approved. Unanimous.

10. The Committee was asked to informally review the resume of a possible applicant to the College of Management's MBA-MOT program. The conclusion of the Committee is that the potential applicant needs to present a GMAT score with his application.
11. A motion was made via email to approve the recommendations of the subcommittee for petitions reviewed on March 31, 2008. The motion was approved.

<b>Reason for Petition</b>	<b>Approved</b>	<b>Denied</b>	<b>Tabled or No Action</b>
Late selective course withdrawal	1		
Use 25 graduate credits taken in UG status toward BS/MS degree		1	
Waiver of enrollment in term of graduation	1		
Withdraw Spring 2008 and return Summer 2008	1		
Count CHEM 9000 credits in place of CHEM 7000 for MS degree	1		
Return Summer 2008 after self-withdrawing Spring 2008	1		
Late withdrawal from term (Spring 2008)	1		
Waiver of the 7-year rule	1		
<b>TOTAL:</b>	<b>7</b>	<b>1</b>	

Adjourned,

Reta Pikowsky  
Registrar