

Georgia Institute of Technology
Graduate Curriculum Committee
Minutes
June 4, 2015

Present: Breedveld (ChBE), Pikowsky (Registrar), Schmidt-Krey (BIOL), Bamburowski for Dr. Cozzens (Vice Provost), Ayhan (ISyE), Neitzel (ME), Smith (AE)

Visitors: Laros (Registrar), Hodges (Registrar), Castro (BC), Essa (CoC), Spencer (BIO)

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. Approval by the Southern Association of Colleges and Schools, Commission on Colleges may also be required. In addition, units should take no action on any of the items below until these Minutes have been approved by the Academic Faculty Senate or the Executive Board.

There was no quorum. The vote on these minutes will be to approve the recommended actions of the members who were present and to approve the Minutes.

Academic Matters

1. A motion was made to *approve* a request from the School of Biology for new courses. The motion was seconded and approved.

New Course – Approved

BIOL 6607: Molecular Biology of Microbes 3-0-3

Note: Prerequisites were removed from NCP.

BIOL 6428: Population Dynamics 3-0-3

Note: Change “University” to “Institute” on first page (bottom of syllabus.)

2. A motion was made to *approve* a request from the School of Building Construction to correct the structure of a course. The motion was seconded and approved.

Course correction – Approved

BC 6050: Building Information Modeling

BC 6050 was approved on March 5, 2015 as 2-3-3. This course will be jointly listed with BC 4050. After further discussion, it was decided that the proper structure of this course should be 3-0-3.

3. A motion was made to *approve* a request from the College of Computing for degree modification and new courses. The motion was seconded and approved.

Degree Modification – Approved

Master of Science in Computer Science
Visual Analytics concentration

The key difference is that a new course will be included in the elective pick.

Concentration in Visual Analytics

Core Courses (6 Hours)	<ul style="list-style-type: none">• CS 7450 Information Visualization <i>and</i> <ul style="list-style-type: none">• CSE 6740 Computational Data Analysis <i>or</i> <ul style="list-style-type: none">• CSE 6242 Data and Visual Analytics
Electives (9 Hours)	<i>Pick Three From:</i> <ul style="list-style-type: none">• CS 6456 Principles of User Interface Software• CS 6465 Computational Journalism• CS 6485 Visualization Methods in Science and Engineering• CS 6490 Computer Graphics• CS 6750 Human-Computer Interaction• CS 6795 Introduction to Cognitive Science• CSE 6242 Data and Visual Analytics• CS 8803 VDS Visual Data Analysis

Degree Modification – Approved

Master of Science in Computer Science
Computational Perception and Robotics concentration

The key difference is that a course number on the Perception elective list will change from 8803 to 6475. Also a new course will be included in the Robotics elective pick.

Concentration is Computational Perception and Robotics

Core Courses (6 hours)	Algorithms: <i>Pick one (1) of:</i> <ul style="list-style-type: none">• CS 6505 Computability, Algorithms, and Complexity• CS 6520 Computational Complexity Theory• CS 6550 Design and Analysis of Algorithms• CS 7520 Approximation Algorithms• CS 7530 Randomized Algorithms• CSE 6140 Computational Science and Engineering Algorithms <i>and, pick one (1) of:</i> <ul style="list-style-type: none">• CS 6601 Artificial Intelligence• CS 7641 Machine Learning
Electives (9 hours)	Pick three (3) courses from Perception and Robotics, with at least one course from each. Perception <ul style="list-style-type: none">• CS 6475 Computational Photography

<ul style="list-style-type: none"> • CS 7495 (Delete and replace with CS 6476 and CS 7476) • CS 6476 Computer Vision • CS 7476 Advanced Computer Vision • CS 7636 Computational Perception • CS 8803 Special Topics: 3D Reconstruction and Mapping • CS 8803 Special Topics: Multiview Geometry in Computer Vision • CS 8803 Special Topics: Adv Comp Photography
<p>Robotics</p> <ul style="list-style-type: none"> • CS 7630 Autonomous Robotics • CS 7631 Autonomous Multi-Robot Systems • CS 7633 Human-Robot Interaction • CS 7649 Robot Intelligence: Planning • CS 8803 Special Topics: AI in Robotics-Programming a Robotic Car • CS 8803 Special Topics: Statistical Techniques in Robotics

We are proposing to replace the Special Topics course Advanced Computational Photography with its new permanent course number.

We are also proposing to add two new Special Topics courses to the Robotics elective pick.

New Courses – Approved

CS 6476: Computer Vision	3-0-3
CS 7476: Advanced Computer Vision	3-0-3

Note: All grade modes for both courses.

4. A motion was made to *acknowledge* a request from the School of Aerospace Engineering to correct course numbers previously approved but not taught. The motion was acknowledged.

Correction of course numbers – Acknowledged

Correction in new course numbers due to numbers having been previously used - Courses approved April 9, 2015
 AE 6120 changed to 6114
 AE 6121 changed to 6115
 AE 6370 changed to 6310

5. David Bamburowski, Director of Graduate Studies, presented for the Committee’s information a Memorandum of Understanding between GT Lorraine and EPF Sceaux (France).

Georgia Institute of Technology (GIT) welcomes the application of qualified students enrolled in EPF Sceaux’s Diplôme d’Ingénieur program to pursue the Master of Science degree from Georgia Tech in either Computer Science (CS), Electrical and Computer Engineering (ECE) or Mechanical Engineering (ME).

Student Petitions

1. A motion was made to approve Petitions Subcommittee actions on petitions in the following areas. The motion was seconded and approved.

The following petitions were reviewed by the Graduate Curriculum Committee Petitions Subcommittee. (All approved except where noted)

Petitions reviewed from 04/09/15 to 06/04/15.

- 7- Term withdrawal (1 Denied)
- 7- Selective withdrawal (1 Denied)

The following petitions were reviewed administratively by the Registrar's office. (All approved except where noted)

Petitions reviewed from 4/9/15 to 06/04/15.

- 4- Late registration for current term
- 1- Graduate without a GPA
- 2- Count 9000-level course hours as 7000-level course hours for MS degree
- 1- Cancel registration for current term
- 2- Three-hour rule waiver
- 3- Seven-year rule waiver
- 5- Change grade mode
- 6- Full Graduate Standing
- 2- Registration adjustment for current term
- 3- One-hour rule waiver
- 1- Allow course substitution
- 3- Count courses taken on special status toward degree
- 2- Waive course requirement
- 1- Registration maximum hours overload request
- 1- Allow extra term to finish degree
- 1- Double-count six hours of undergraduate credit
- 1- Readmit after first drop

Adjourned,

Reta Pikowsky
Registrar