

**Georgia Institute of Technology
Graduate Curriculum Committee**

**Minutes
March 7, 2013**

Present: Flowers (ARCH), Pikowsky (Registrar), Jagoda (AE), Mazalek (LMC), Cozzens (VP-GEFA), Dickson (CHEM), Ladshaw (Student Rep), Neitzel (ME), Ferri (ECE), Jayaraman (MSE), Kvam (ISyE)

Visitors: Laros (REG), Merkousko (REG), Sharp (GEFA), White (CoC), Wheaton (AP), Llewellyn (CETL), Nitsche (LMC)

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. Assistant Dean David White, College of Computing, provided some general details of the College's plans to begin delivery of the Master of Science in Computer Science via distance delivery (already approved by the Committee). At the time the Committee approved delivery of this program via distance education, the audience was very targeted and very limited. The College would now like to broaden access to the program, but with a limited initial enrollment of approximately 250 students. After this pilot program is evaluated, the College may wish to broaden the audience further.

The Committee confirmed that the requirements for the degree will remain the same and that standard admission criteria will apply. Students who wish to earn academic credit for the courses to complete the degree program would have to apply, enroll, and complete all other normal matriculation functions.

The courses will be offered via a MOOC provider. Negotiations are underway with a MOOC provider and a decision is expected over the next few weeks.

Committee members noted that there may be significant administrative issues and academic issues that have not yet been identified with delivering such a program through distance education. These potential issues are similar to those that have arisen in regard to MOOCs, MOOMS, and other distance delivered programs.

The Committee asked for regularly scheduled updates and reports on this project, beginning in April. Details of any discussions with the Board of Regents, about admission processes, enrollment processes and projections, and any necessary course redesign, etc. will all be of interest to the Committee. Updates will be requested on these and any other areas of interest or concern.

The discussion appears to be moving forward at a rapid pace, and it will be important for the Committee to be updated appropriately as it moves along.

2. A motion was made to **table** requests by the School of History, Technology, and Society for a degree modification and a course deactivation. The motion was seconded and approved.

The motion was made to table because there was no representative from the School of History, Technology, and Society present to address the proposal. Note: The School was contacted after the meeting and has asked that the items be placed on the next agenda and will have a representative at the April GCC meeting.

Degree Modification: Tabled

Master of Science in History and Sociology of Technology and Science

Course Deactivation: Tabled

HTS 8002 (replaced with HTS 6743)

3. A motion was made to **approve** a request from the School of Applied Physiology for a new course. The motion was seconded and approved.

New Course: Approved

APPH 6400: Human Neuroanatomy

3-0-3

Note: This course will be jointly listed with APPH 4400 Human Neuroanatomy (Course approved per IUCC minutes of Oct 2, 2012)

4. A motion was made to **approve** a request from the School of Literature, Media, and Communication a degree modification. The motion was seconded and approved.

Degree Modification – Approved

Doctor of Philosophy with a major in Digital Media

The School of LMC in the Ivan Allen College has offered this Ph.D. degree since 2004 in addition to its Digital Media MS program. The current proposal reflects changes to the Ph.D. degree requirements that adjust the curriculum to reflect the changes made to MS program (approved in 2012) and to improve the flexibility for incoming students. The DM Ph.D. program enrolls approximately 3-5 students per year.

We are requesting to revise the courses in the program by:

- removing two courses from the core (LCC 6311 and LCC 6312, they will remain as electives)
- adding one course to the core (LCC 6399)
- adding one additional project studio requirement.

We have changed the Digital Media MS last year to update our curriculum and adjust it to reflect the evolution of the digital media field since the program's introduction in 1993. The changes in the Ph.D. program follow the same update.

It was noted that the PhD program required some core courses that were not central to the degree. This led us to adjust the core course requirements and re-focus the program in the same philosophy that we applied to the adjustments made to the MS program in 2012.

We believe the core curriculum needs to cover:

- (1) critical history, theory, and practice of using of computing technologies for expressive purposes (covered by LCC 6316, LCC 8000 + 8001)
- (2) advanced principles of interaction design (covered by LCC 6310 and LCC 6313)
- (3) applied research methods in digital media (covered by LCC 6399 and LCC 8000/8001)

These areas are parallel to the DM MS curriculum but offer a deeper theory section (through LCC 8000, LCC 8001 and LCC 9000). A more substantial involvement in faculty's Project Studios (through a repeating LCC 6650) allows Ph.D. students to participate directly in ongoing faculty research. These courses have proven to be valuable for Ph.D. students as research driven and flexible tools.

LCC 6311 and LCC 6312 cover relevant areas of Digital Media but are oriented to particular sub-fields (LCC 6311: Visual Culture; LCC 6312: Questions of 3D representation). Thus, they were identified as not core-specific courses. Both will remain available as electives for students to take depending on their interests and career goals.

In the past, we noted that the Ph.D. program lacked a methods course. As a result, we implemented LCC 6399 to provide a solid grounding in the various methods used in digital media practice and research. Originally targeted at DM MS students, this methods course also covers material relevant for DM Ph.D. students. It should improve the quality of their proposals as well as of their development of their thesis project. Thus, we propose to include it also in the Ph.D. core.

The **current core** for the Ph.D. program consists of:

- LCC 6310 The Computer as an Expressive Medium (3 credits)
 - LCC 6311 Visual Culture and Design (3 credits)
 - LCC 6312 Design, Technology, and Representation (3 credits)
 - LCC 6313 Principles of Interactive Design (3 credits)
 - LCC 6316 Historical Approaches to New Media (3 credits)
 - LCC 6650 Project Studio (3 credits)
 - LCC 8001 Pro-Seminar I (3 credits)
 - LCC 8002 Pro-Seminar II (3 credits)
 - LCC 9000 Doctoral Dissertation (6 credits)
- Total credit hours: 30 credit hours

The **proposed** program:

- LCC 6310 The Computer as an Expressive Medium (3 credits)
- LCC 6313 Principles of Interactive Design (3 credits)
- LCC 6316 Historical Approaches to New Media (3 credits)

LCC 6399 Discovery & Invention (3 credits)
LCC 6650 Project Studio (3 credits) x2
LCC 8000 Pro-Seminar I (3 credits)
LCC 8001 Pro-Seminar II (3 credits)
LCC 9000 Doctoral Dissertation (6 credits)
Total credit hours: 30 credit hours

The changes consist of:

- remove LCC 6311 and 6312 from the core (each 3 credit hours)
- add LCC 6399 (3 credit hours)
- add a second Project Studio (LCC 6650) (3 credit hours)

Students will take 60 graduate credits from the following categories:

Foundational and Required Courses

Bolded courses are not open to waiver or substitution. Other courses may be substituted with equivalent previous work or alternate courses. Students should consult their advisors and the Director of Graduate Studies to determine the appropriate individual course of study.

LCC 6310 The Computer as an Expressive Medium (3 credits)
~~LCC 6311 Visual Culture and Design (3 credits)~~
~~LCC 6312 Design, Technology, and Representation (3 credits)~~
LCC 6313 Principles of Interactive Design (3 credits)
LCC 6399 Discovery & Invention (3 credits)
LCC 6650 Project Studio (3 credits)
LCC 6650 Project Studio (3 credits)
LCC 6316 Historical Approaches to New Media (3 credits)
LCC 8000 Pro-Seminar I (3 credits)
LCC 8001 Pro-Seminar II (3 credits)
LCC 9000 Doctoral Dissertation (6 credits)

Required Minor Concentration (9 credits):

Three related courses outside of the School of Literature, Communication, and Culture. These courses may be in other Schools of the Ivan Allen College, or in colleges or interdisciplinary fields of the Institute.

Examples of a minor concentration in Computer Science:

CS 6750 Introduction to Human Computer Interaction
CS 6460 Foundations of Educational Technology
CS 6470 Online Communities

This requirement must be certified by filing a form signed by the DGS with the Georgia Tech graduate office. The form is available online at http://www.gradadmiss.gatech.edu/thesis/forms/Minor_form.pdf

Elective Courses

LCC 6311 Visual Culture and Design (3 credits)
LCC 6312 Design, Technology, and Representation (3 credits)

LCC 6314 Design of Networked Media (3 credits)
 LCC 6315 Project Production (3 credits)
 LCC 6317 Interactive Fiction (3 credits)
 LCC 6318 Experimental Media (3 credits)
 LCC 6319 Intellectual Property Policy and Law (3 credits)
 LCC 6213 Educational Applications of New Media (3 credits)
 LCC 6215 Issues in Media Studies (3 credits)
 LCC 6320 Globalization and New Media (3 credits)
 LCC 6321 Architecture of Responsive Spaces (3 credits)
 LCC 6650 Project Studio (repeatable) (3 credits)
 LCC 7999 Preparation for Ph.D. Comprehensive Examination (variable credit)
 LCC 8803 Special Topics (repeatable) (3 credits)
 LCC 8813 Advanced Issues in Interactive Narrative (repeatable) (3 credits)
 LCC 8823 Special Topics in Game Design (repeatable) (3 credits)
 LCC 8930 Special Problems (repeatable) (3 credits)
 LCC 8831 Special Topics in Technologies of Representation (repeatable) (3 credits)
 LCC 8999 Preparation for Doctoral Dissertation
 Elective courses from other academic units may be substituted with approval of the DGS.

5. A motion was made to **approve** a request from the Center for the Enhancement of Teaching and Learning (CETL) for re-approval of existing courses. The motion was seconded and approved.

Current CETL courses: Re-Approved

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

A Provost Curriculum Committee was established to review course proposals that are submitted by nonacademic units. This new procedure was approved by the Curriculum Committees last spring, but it took some time for the creation of the Provost Curriculum Committee to occur and for that group to begin meeting and handling proposals. Due to these timing issues, the sequencing of the process was interrupted. This means that there has been some re-evaluating or re-affirmation for current courses through the Provost Committee and back to the Institute Curriculum Committee. In the future, all such requests would go from the unit making the request, to the Provost Curriculum Committee, to the appropriate Vice Provost (Dr. Cozzens for Graduate, Dr. Potts for Undergraduate) and then to the Institute Curriculum Committee.

Student Petitions

1. A motion was made to approve the admission of a student to a Master's program despite not meeting the requirement of a Bachelor of Science degree. The motion was seconded and approved.
2. A motion was made to table a request from a student for a withdrawal from Summer 2011 and Spring 2012 terms. The motion was seconded and approved. [Note: Student's major school will be asked to provide a study plan to demonstrate how the MS will be completed and over what period of time.]
3. A motion was made to approve recommendations from the Petitions Subcommittee in the following areas. The motion was seconded and approved.

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

- 2- Selective withdrawal (**1 Denied**)
- 1- Graduate with a 2.69 GPA (**1 Denied**)

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

- 16- Full Graduate Standing
 - 1- Readmit after first drop for the Summer 2013 term
 - 3- Register late for course
 - 2- Two-year rule waiver (BS/MS)
 - 1- Submit Master's thesis topic late
 - 2- Change grade mode after deadline
 - 1- Remove "W" from transcript (cancel registration for a class)

Adjourned,

Reta Pikowsky
Registrar