

**Institute Undergraduate Curriculum Committee
Academic Matters and Appeals (Full Committee)
Tuesday, October 7, 2014**

Present: Berry (PUBP), Eisenberg (SGA), Goodisman (BIOL), Hollengreen (ARCH), Mayor (ME), Kalomire-Eleni (CoC-CS), Parsons (CoB), Pikowsky (Registrar), Potts (VP-UE), Sankar (AE), Senf (LMC), Singh (MSE), Singleton (PSYC), Smith (ME), Wilkinson (CHEM & BIOCHEM), Yaszek (LMC), Zhou (ISyE)

Visitors: Laros (Registrar), Isbell (CoC), Raczynski (CoC), Merkousko (Registrar), Clark (MUSI), Cook (MSE), Hodges (Registrar), Bowman (INTA), Ulmer (MATH), Margalit (MATH)

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.

Note: All votes are unanimous unless specifically noted otherwise.

Academic Matters

1. A motion was made to *approve* a request from the School of International Affairs for a modification of a course description. The motion was seconded and approved.

Modify Course description - Approved

The Sam Nunn School of International Affairs wishes to revise the course description for INTA 4040, Environmental Politics. This course has been taught on the Pacific Study Abroad Program (2012) and will be taught on the Oxford Study Abroad Program in 2015. The scope of the course includes societies in the developed world, thus the current description is not accurate. Proposed language is below showing three words being requested to be deleted from current catalog description.

Current description: "Examines the interface between politics and the environment. ~~in developing countries.~~ Foci include sustainable development, the politics of the rain forest, eco-tourism, and export agriculture and the environment."

Proposed description: "Examines the interface between politics and the environment. Foci include sustainable development, the politics of the rain forest, eco-tourism, and export agriculture and the environment."

2. A motion was made to *acknowledge* a request from the School of Material Science and Engineering for a prerequisite modification. The motion was acknowledged without concern.

Prerequisite Modifications - Acknowledged without concern

MSE undergraduate curriculum committee and faculty reviewed the prerequisites currently shown in the 'Detailed Course Information' and are requesting the following changes. The course number, course title, current requirement, and changes are shown below.

(NOTE: There were some errors in the original material submitted as part of the proposal. The errors were corrected after the meeting and the information below is correct.)

For all courses the minimum grade = D.

Highlighted in yellow = ADD

~~Strikethrough~~ = Delete

Course Number	Course Title	Current Prerequisite Information	Requested Change
MSE 4775	Polymer Science & Engr I	CHEM 2312 and CHEM 3411	(CHEM 2312 or CHEM 1315) and (PTFE 2200 or MSE 2001) and (CHEM 3411 or ME 3322 or MSE 3001 or MSE 3000)

MSE faculty exclusively teach the cross-listed (with CHEM, ME, CHBE and PTFE) 4775 course, Polymer Science and Engineering I, 3-0-3. For our MSE majors, the faculty requests that the General Catalog prerequisite listing for MSE 4775 be modified to include a base organic chemistry course (CHEM 2312 or CHEM 1315), a base materials course (PTFE 2200 or MSE 2001) and a base thermodynamics course (CHEM 3411 or ME 3322 or MSE 3000 or MSE 3001).

3. The School of Music briefed the Committee on some upcoming proposals that are designed to change the way ensemble courses are handled.

Renumbering Ensemble Courses

Formal proposal of courses will follow at a future meeting.

The School of Music seeks to renumber ensemble courses to simplify student registration and standardize the policy regarding humanities credit for ensemble participation. The key elements of the proposal are:

- Eliminate the existing 1xxx, 2xxx, 3xxx, 4xxx course listings for each ensemble
- Create one new 3xxx number per ensemble
- Allow all new ensembles courses to be repeated for credit
- Change the current 4-to-3 Ensemble/Humanities Requirement to 3-to-3, in any combination, from the 2014 Ensemble List
- Remove and/or amend the somewhat confusing *Humanities Credit for Ensemble Participation* policy in the catalog and on all web sites

To provide some background and context for this proposal, it must be noted that Georgia Tech is the only BOR institution providing humanities credit for ensemble courses. When originally submitted, the *Humanities Credit for Ensemble Participation* proposal included a set of criteria supporting the request (see the attached October 2, 1987 memo). The original outcomes and class experiences have been expanded to include historical and social context, formal and structural analysis, aural skills, performance practice, and in many cases group participation in terms of writing, arranging, and transcription. Additionally, multiple assessment methods are employed to measure progress towards course goals and objectives.

It should also be noted that the reasoning behind using the 3xxx level for all ensemble courses, is to eliminate the need to revise the requirements for the music minor and music certificate programs. Both programs currently require ensemble participation at the 3xxx level.

During the past few years, confusion and/or conflict with current policy has negatively impacted students and advisors. Given the growth in the number and quality of ensembles, students and music faculty would benefit tremendously from a clearer and more flexible system. Additionally, in order for students to receive humanities credit for ensemble participation, the Office of the Registrar must hand code the classes. The proposed changes would enable students to participate in the ensemble(s) of their choice, provide more flexibility for the ensemble directors, simplify the policy for students and advisors, remove petitions to the IUCC from students having registered for ensemble courses improperly, and greatly reduce the number of ensemble courses in the catalog.

4. The School of Mathematics previewed some upcoming proposals to change lower-division courses.

This was a presentation that will be followed by a formal proposal. The Committee supported the School of Mathematics in moving forward with a formal proposal to be heard by the Committee in the near future.

Renumbering some of the lower level Math courses

Formal proposal of courses will follow at a future meeting.

Reasons:

- To align with the qualifications of incoming students
 - To address the high DFW rate in Calculus I for non-AP students (roughly one-third)
 - To give Integral Calculus its own course
 - To give Linear Algebra its own course
 - To increase flexibility
5. A motion was made to *approve* a request from the College of Computing for a new course and a modification to a minor. The motion was seconded and approved.

New Course – Approved

CS 4057: Business Process Analysis and Design 3-0-3

(This is a cross-list of MGT 4057. The creation of the CS cross-list version was overlooked and not submitted as a new course during the process of the recent minor modification of the Computing and Business minor which utilizes the CS version of this course. The vote on this was not unanimous. There was one abstention.)

When the Computing and Business minor was updated, it was assumed the course already existed, under the CS subject code, when MGT/CS 4052 was replaced with 4057.

MGT/CS* 4052
Systems Analysis and Design
Add: MGT/CS 4057 Business Process Analysis and Design

Minor Modification – Approved

Request to move from 7 Minor “Tracks” to Individual CS and require a CS Minor Application.

Current: Minor in Computer Science (with tracks)

Devices Track
Information Internetworks Track
Intelligence Track
Media Track
People Track
Systems and Architecture Track
Theory Track

Proposed: Change to 7 New Computing minors:

Computing & Media
Computing & People
Computing & Intelligence
Computing & Devices
Computing & Information Internetworks
Computing & Systems and Architecture
Computing & Theory

Rational: With the recent explosion of students applying for the CS minor we need a way to track students in each minor and predict which courses they will need. Furthermore, students can now avoid the whole experience we wish them to have by declaring the minor, taking unrelated courses, then dropping the minor.

*COC recently hired a new advisor who will advise the CS minor students.

Requirements for Minor Program:

- Must be in good academic standing
- Received a grade of A or B in CS 1301/1315/1371
- Received a grade of A or B in CS 1331
- For a Minor in CS Media, CS Intelligence, CS Systems and Architecture, CS Modeling and Simulation, CS Theory, CS Devices, CS Information Internetworks, and CS People students must be registered for CS 1332 or CS 2110 after drop date
- Have a minimum of four semesters (48 hours) of coursework remaining in their undergraduate degree program

The two minors below are already approved as minors. There is a minor modification pending that will be submitted at a later meeting to adjust requirements and require a CS Minor application to be consistent with above 7 minors.

Computational Data Analysis
Scientific and Engineering Computing

6. Dr. Goodisman, who chairs the Study Abroad Subcommittee, briefed the Committee on how the GT Study Abroad programs get approved and how they operate. The Committee learned more about the assessment process, the study abroad course proposal form, how the courses operate, the faculty-led study

abroad proposal process, the cycle for approving or re-approving programs (not all have to be approved every year), and the general contents of the study abroad manual. Committee members expressed gratitude for the briefing which gave them a much better understanding of the process and operations of the Study Abroad Subcommittee.

7. There was discussion of a proposal from Georgia Tech Lorraine to offer a new course. The proposal was brought to the IUCC for discussion for several reasons. Since Georgia Tech Lorraine is not a degree-offering unit, the typical route for a new course request would go through the Provost's Curriculum Committee. The Chair of the Provost's Curriculum Committee was unsure how to proceed with the request.

Several concerns were raised by the committee, in particular whether there is any justification for a course off the main campus not offered through an academic unit. The procedural issue was resolved with the decision that the Provost's Curriculum Committee was the proper "first stop" for any GTL proposal. The proposed contents of the course itself also raised several questions and concerns about its rigor and the request that it be approved to meet Core area requirements. After a detailed discussion, it was decided that the Chair of the Committee with talk further with the Vice Provost's Office and determine the direction of further conversations that may be needed before any additional direction can be given to the Chair of the Provost's Curriculum Committee.

For now, this proposal is on hold awaiting further review.

8. A question was raised at the end of the meeting about the process for reviewing requests for changes in course pre-requisites. On the surface, the process of acknowledging them and not requiring a vote appears to be sensible. However, given the discussion of proposed changes at this meeting and a concern about the addition of pre-requisites possibly adding time to degree completion, it was decided that this process should be reviewed to determine if such requests should require a vote of the IUCC, should there be some criteria put into place that would have to be met for such a change, and should the potential impact of the change be taken into account in the approval process. This will be added to a future IUCC agenda for more discussion.
9. It was suggested that the Committee invite a representative from the Office of Institutional Research and Planning to do a brief presentation on graduation rates so that the Committee can better understand the possible larger contexts of curricular and course changes. The Registrar will schedule this presentation.

Adjourned,

Reta Pikowsky
Registrar