

Institute Undergraduate Curriculum Committee

Minutes

Tuesday, September 15, 2020

Members: Hammer (BIOS), Bonetto (MATH), Caruso (UG Stu Rep), Ferri (ME), Haas (CE), Ippolito (ML), LeBlanc (ARCH), Lee (COB), Moore (ECE), O'Mahony (FEB Liaison), Parker (IC), Phillips (OAE), Pikowsky (REG), Potts (Vice Provost-OUE), Short (MATH), Sanford (COD), Singh (HSOC), Sokol (ISYE), Stein (Stu Life/ODOS), Xu (COC)

Visitors: Hodges (RO), Rasheed (RO), Jennings (Student Life), Stewart (BIOS), Joseph (COC), Ellis (SGA), White (COC), Snow (BIOS)

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 some cases, approval by the Southern Association of Colleges and Schools-CoC may also be required; in others, notification by the Institute will suffice. 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 noted otherwise.

The Committee has set a minimum of 13 voting members to establish a quorum and conduct official business. Otherwise, business is still transacted and formally voted upon via email vote.

Discussion Item

1. A representative from the Student Government Association addressed the Committee with a proposal requesting that faculty members consider not scheduling quizzes, tests, or any other graded in-class assessment on election day so that students can have better options for voting. Also, when possible, the proposal would ask that faculty move lectures to an asynchronous online format on election days. This would be for presidential primaries, gubernatorial primaries, the November general election and special elections affecting Georgia Tech at the federal level.

The Faculty Executive Board endorsed this as a best practice for the Fall 2020 semester due to a presidential election year. The Student Government Association would like this to be a permanent best practice or expectation in place for future elections. The intent is to encourage more student to partake in voting by working with faculty to allow flexibility so students felt more inclined to vote and less pressure to miss class or class assignments.

The Student Government Representatives stated they would promote early voting and absentee voting as appropriate to reduce, as much as possible, the reliance on this accommodation in the future.

The proposal includes a request to have language added in the student/faculty expectations section of the Catalog so it not a requirement, but an expectation. It was also noted that the graduate population voting numbers were low compared to undergraduate students.

The proposal was also presented to the Graduate Curriculum Committee. Any changes to the student-faculty expectations section of the Catalog would have to be approved by the Student Regulations Committee then the Academic Faculty Senate.

A recommendation was made about adding the dates to the academic calendar so that faculty would be aware of upcoming events before planning for each term begins. Since there are very few of these dates in a given year, it is felt that this would not represent a concern for cluttering the academic calendar.

If the Student Regulations Committee takes action, the Curriculum Committees will be asked to review the draft language before it goes to the Academic Faculty Senate for approval.

The IUCC did not pose any other questions aside from if the dates would be posted on the academic calendar for planning. There was a suggestion to make it clear that this would be an expectation rather than an enforceable policy.

Academic Matters

1. A motion was made to *approve* a request from the School of Biological Sciences for a new course. This motion was seconded and approved.

NEW COURSE

APPH 1060: Flourishing: Strategies for Well-being and Resilience (2-0-0-2)

There was a question about how this course differed from the existing APPH 1040 and 1050 courses. This course hits the same pillars regarding topics covered and physical fitness components, but has a greater focus on mental health which is something students have requested to be incorporated in the curriculum at Tech.

This course would be an option along with APPH 1040 and 1050 to satisfy the Wellness requirement required for all undergraduate students. Individual programs would not need to submit a degree modification; it would be automatically added in the Catalog and DegreeWorks as an option to meet the Wellness Requirement for all programs.

A question was asked about attendance and whether records were kept for each class meeting. If attendance is part of the grade, then how it is assessed would need to be clear. The proposer stated attendance is not taken every class, but there are specific activities as noted in the syllabus which would indicate that students have completed the work assigned for that class meeting. In other words, there is no “roll call” each time, but there are specific tasks that students are required to complete that would indicate participation in class.

Other questions included if there would be an adequate number of instructors if the course deemed very popular among students. It was the feeling of some members of the Committee that this is a much-needed and welcomed class addition to the Wellness requirement and some programs might specifically suggest it to their students. The School should monitor demand and be prepared for it to be a very popular option.

2. A motion was made to *approve* a request from the School of Mechanical Engineering for new courses and a new cross-listed course. This motion was seconded and approved.

NEW COURSE – APPROVED

ME 1670: Introduction to Engineering Graphics and Design (2-0-0-3)

NEW COURSE - APPROVED

ME 4332: Renewable Energy Systems (3-0-0-3)

NEW CROSS-LISTED COURSE – APPROVED

ME/NRE 4725 Probabilistic Risk Assessment (3-0-0-3)

A motion was made to *approve* a request from the School of Mechanical Engineering for a degree modification. This motion was seconded and approved.

3. A motion was made to approve a request from the School of Mechanical Engineering for a degree modification. The motion was seconded and approved.

DEGREE MODIFICATION - APPROVED

Bachelor of Science in Mechanical Engineering

Overview

The Concentration in Design had a list of elective courses that included many courses that were no longer available. ME 4041 Interactive Computer Graphics and Computer-Aided Design has been replaced with ME 4042 Interactive Computer-Aided Design and Computer-Aided Engineering. ME 4803 Probabilistic Risk Assessment is in process of being assigned a permanent number, ME/NRE 4725. (see below table for full listing of changes to the design CA)

The Concentration in Mechanics of Materials has only one small change: ME 4041 Interactive Computer Graphics and Computer-Aided Design has been replaced with ME 4042 Interactive Computer-Aided Design and Computer-Aided Engineering.

The Concentration in Thermal, Fluids, and Energy has only one change: ME 4823 Renewable Energy Systems is in process of being assigned a permanent number, ME 4332 (same title).

Curriculum

Design Concentration

Course Number and Name	Credit Hour	ME Elective
Required Class		
ME 3180 Machine Design OR ME 4315 Energy Systems Analysis & Design ¹	3	Design
Elective Classes (Choose 4)		
ME 4041 Interactive Computer Graphics and Computer-Aided Design	3	X
ME 4042 Interactive Computer-Aided Design and Computer-Aided Engineering	3	X
ME 4171 Environmentally Conscious Design and Manufacturing	3	X
ME 4193 Tribological Design	3	X
ME 3180 Machine Design OR ME 4315 Energy Systems Analysis & Design ¹	3	X
ME 4699 Undergraduate Research (in Design) (0-3 hours) ²	0-3	X
VIP Vertically Integrated Projects ² (0-6 hours, summing to 6 total hours with any ME 4699 hours)	0-6	
ME/BIOL/BMED/MSE/ISYE 4740 Bio-inspired Design	3	X
ME/MSE 4790 Materials Selection and Design	3	X
ME 4803 Capstone Design II	3	X
ME 4803 Model Based Systems Engineering	3	X
ME/NRE 4803 4725 Probabilistic Risk Assessment (new course)	3	X
ME 4803 Design Special Topics course	3	X

Additionally, the following change was requested:

This request is to replace ME 1770 Intro to Engr Graphics with ME 1670 Introduction to Engineering Graphics and Design.

- A motion was made to *approve* a request from the School of Computer Science for a title change to a course. This motion was seconded and approved.

UPDATED COURSE TITLE – APPROVED

CS 3651 Prototyping Appliances-Devices

The change is to make it clear what the course covers.

5. A motion was made to *approve* a request from the School of Computer Science for a new course. This motion was seconded and approved.

NEW COURSE – APPROVED

CS 4003 AI, Ethics, and Society (3-0-0-3)

The Committee asked why an Ethics attribute form was not submitted along with the new course proposal documentation. This is because this course is specific to meeting the CoC Ethics requirements and not a course that could satisfy other program Ethics requirements and therefore is not requesting ETHS attribute and listing in the list of Ethics courses in the Catalog.

The Committee questioned why build a new Ethics course when there are already similar courses geared towards Ethics. The proposer explained that this course fits different interests/topics and is good for the Computer Science programs since they are popular programs.

6. A motion was made to *table* a request from the School of Computer Science for a new course. This motion was seconded and approved.

NEW COURSE – TABLED

CS 4401 Data Management for Data Science (3-0-0-3)

This course was tabled to determine the overlap between it and CS 4400 Intro to Database Systems.

7. A motion was made to *approve* a request from the School of Computer Science for a degree modification. This motion was seconded and approved.

DEGREE MODIFICATION - APPROVED

Bachelor of Science in Computer Science

Overview

The request is to add CS 4497 Comp Aesthetics (existing course) to the Media Threads.

8. A motion was made to *approve* a request from the School of Computer Science for a degree modification. This motion was seconded and approved.

DEGREE MODIFICATION – APPROVED

Bachelor of Science in Computer Science

Overview

This request is to add CS 4003 AI, Ethics, and Society to the Ethics/Professionalism Requirement of the degree.

9. A motion was made to *approve* a request from the College of Computing for a minor modification. This motion was seconded and approved.

MINOR MODIFICATION – APPROVED

Minor in Computing and Media

Overview

The request is to add existing course, CS 4497 Comp Aesthetics, to the Media and Technology pick for the minor.

10. A motion was made to *approve* a request from the College of Computing for a pre-requisite modification. This motion was seconded and approved.

PRE-REQUISITE MODIFICATION – ACKNOWLEDGED WITHOUT CONCERN

CS 4497 Comp Aesthetics

Current pre-req

CS 3451 with minimum grade of D

Proposed pre-requisite

CS 3451 with a minimum grade of **C**

Administrative Items

The following items are items which do not require Committee action. Items such as building optional recitation courses, placeholder courses, or other items such as correcting Catalog information or course information.

1. New Chemistry recitation course – CHEM 2216R
2. New internship placeholder courses for EAS (Earth and Atmospheric Sciences).
3. New internship placeholder courses of Modern Languages courses.
4. Catalog edit for Bachelor of Science in Economics and International Affairs.
 - INTA 2001 is a career focused course and should be allowed in the Major Requirements as Pass/Fail
5. Course title edit for JAPN 4163
 - Change 'Linguistics' to 'Literature'

Petitions

Student petitions are handled administratively by the Registrar with consultation as needed with Committee leadership and the full Committee.

It should be noted that the COVID-19 pandemic and its impact on Institute operations has impacted the types and numbers of petitions we have received since Spring 2020.

The following petitions met the guidelines for “Administrative Action,” and were decided by the Registrar under the authority granted to her by the Committee between the dates 08/08/2020-9/14/2020. All were approved except as noted:

- 4- Term withdrawal **(1 Denied)**
- 5- Selective withdrawal **(1 Denied)**
- 18- Hour-overload requests for Phase I registration for the Fall 2020 term
- 11-10-year rule waiver (with School recommendation)
- 1- Count course toward degree despite F in second attempt
- 1- Cancel course registration for the current term
- 2- Cancel term registration for the current term
- 5- Substitute 12 hours of study abroad course work with upper level on campus courses (this requirement has been impacted by the Covid-19 pandemic and related restrictions on travel)
- 5- Late registration for the current term
- 3- Adjust course registration for the current term
- 1-Reinstate course dropped by accident
- 2- Adjust course hours for a variable credit course

Adjourned,

Reta Pikowsky
AVP of Enrollment Services/Registrar
Secretary of IUCC