

**Institute Undergraduate Curriculum Committee
Appeals and Academic Matters (Full Committee)
Tuesday, July 24, 2012**

Present: Seitzman (AE), Pikowsky (REG), Yaszek (LCC), Senf (LCC), Agrawal (ChBE), Goodisman (BIOL), Paredis (ME), Riley (ECE)

Visitors: Laros (REG), Howson (REG), Senft (REG), Appel-Silbaugh (VPSS), Wynens (LEAD), Tittle (ECON), Cook (MSE), Ferri (ME)

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. A motion was made **to acknowledge** a request from the School of Economics for a prerequisite modification. The motion was approved.

PREREQUISTE MODIFICATION: (Approved)
ECON 3161 Econometric Analysis

Current prerequisite: ECON 3160 Minimum Grade of D.

Please change the current prerequisite to:

Math 3125 Minimum Grade of C or
Math 3770 Minimum Grade of C or
ISYE 3770 Minimum Grade of C or
COE 3770 Minimum Grade of C or
MGT 2250 Minimum Grade of B

Note: The original prerequisite request submitted had listed a minimum grade of A for MGT 2250. After discussion of the reasoning behind this request and discussion of Rules and Regulations Policy (IX. A. 5. Students may not repeat courses on a letter-grade basis in which the grade of B or higher has been earned previously) the request from Economics was changed to a minimum of a B to both address their concern and to remain consistent with other existing policy.

2. A motion was made to **approve** a request from the School of Public Policy and the College of Business for a minor modification, with the amendments as outlined during the discussion. The motion was seconded and approved.

Note: The motion was to approve inclusion of the courses that already have permanent numbers. There was considerable discussion during the meeting about whether some of the courses listed were more relevant to Management or Public Policy rather than Leadership. The Management in the Healthcare Sector course-MGT 4803, for example, is not clearly, as far as the Committee could see, a course that deals with leadership. There was also significant discussion about the use of 4803 courses, particularly ones that have not been taught before.

We cannot list courses as options for a minor if they have not yet been taught in any format. There was also a wider discussion of the use of 4803s at all, although there has been a precedent of using them and in order for new courses to have a permanent number assigned, they have to be taught at least once as a special topics. This may present some logistical issues in relation to timing that will need to be worked out.

The special topics courses that were not included for approval at this time are highlighted below.

There will be a meeting scheduled with the Registrar as soon as possible to sort out the issues with the courses that were not approved and another proposal will be made in the near future to address those areas of this proposal.

MINOR MODIFICATION: (approved)

Leadership Studies

This modification was requested to expand the offerings in the Management and Policy tracks of the Minor in Leadership Studies. The rationale for expansion of courses for the tracks is to provide a more complete treatment of the subject of leadership studies from a Management and Public Policy perspective and to provide students a wider array of options with which to customize the Minor course of study to learning and career aspirations.

Required Course: 3 semester credit hours

Track: 9 semester credit hours. Choose one--Public Policy or Management Track

Capstone or Internship: 3 semester hours.

I. Each student must take the following course (3 hours):

PUBP 4140. Foundations of Leadership

II. Each student must take at least three courses selected from either the Policy track or the Management track in the following list of offerings (9 hours).

Public Track – (choose 3 of the following)

PUBP 2030 - Organizations and Policy

~~PST 3050—Political Philosophy~~ – Replace with PHIL 3050 – Philosophy and Political Theory

PUBP 2010 - Political Processes

Courses currently taught as special topics (course number will change when courses are added to the catalog):

PUBP 48X3 - Public Leadership - Change name to Leading Change in Public Organizations

PUBP 48X3 - Leadership for Social Change

ADD:

PUBP 48X3 Ethical Responsibility in Leadership

PUBP 4813 Managerial and Leadership Skill Building

PSY 4XXX Exploring Multicultural Identities

Management Track (choose 3 of the following)

MGT 3150 – Principles of Management

MGT 4191 - Entrepreneurship Forum

MGT 4192 - Impact Forum

MGT 4193 - Servant Leadership, Values and Systems

MGT 4194 - Social Entrepreneurship

MGT 3103 - Leadership-Changing Environments Pre-requisites: MGT 3101 (Organizational Behavior) or MGT 3102 (Management of Human Resources) or MGT 3150 (Principles of Management)

MGT 4670 – Entrepreneurship Pre-requisites: ACCT 2101 or MGT 3000 (Financial and Managerial Accounting)

MGT 4741 - Integrative Development-Project Preparation

MGT 4106 –Teams In Organizations

Students electing the Management Track can use either MGT 4191 or 4192, but not both.

ADD:

Courses currently taught as special topics (course number will change when courses are added to the catalog):

MGT 4072 – Entrepreneurial Finance

MGT 4102 – Management Consulting

MGT 4116 – Gender and Ethnicity in US and Global Organizations

MGT 4803 - Fairness & Leadership: Building Trust** - Pre-requisites: MGT 3101 (Organizational Behavior) or MGT 3150 (Principles of Management)

MGT 4803 - Motivation & Rewards** - Pre-requisites: MGT 3101 (Organizational Behavior) or MGT 3102 (Management of Human Resources)
MGT 4803 - Corporate Governance** (Beginning Spring 2013) - Pre-requisites: MGT 2106 (Legal Aspects of Business)
MGT 4803 – Business Fundamentals for Social Entrepreneurs (Currently available only to participants in the Budapest Study Abroad Program)
MGT 4803 – Management in the Healthcare Sector

III. Internship.

Each student must complete an internship from either the Policy track or the Management track (3 hours).

MGT 4611 – Integrative Management Analysis or
PUBP 4651 – Internship

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

NEW COURSE: (approved)

MSE 4766 Fabrication and Properties of Nanoscale Devices 3-0-3
[Cross-listed with ME 4766]

4. A motion was made to **approve** a request from the Woodruff School of Mechanical Engineering for a new course, a degree modification, and a correction to the *Catalog* for the Energy Systems minor. The motion was seconded and approved.

NEW COURSE: (approved)

ME 4766 Fabrication and Properties of Nanoscale Devices 3-0-3
[Cross-listed with MSE 4766]

DEGREE MODIFICATION: (approved)

Bachelor of Science in Mechanical Engineering

There are two degree options: Cooperative Plan and International Plan; both options have the same degree requirements as the basic degree.

The School of Mechanical Engineering requests the following changes:

- Establish a fourth Concentration Area, *Mechanics of Materials*, within the undergraduate Mechanical Engineering degree program.
- The proposal also expands the number of ethics course options to use the institute list of ethic courses.
- New Elective Course: ME 4766 (3-0-3) Fabrication and Properties of Nanoscale Devices
- Add ME 4766 as an optional elective in the *Micro- and Nanoengineering* Concentration Area (It was already in the list of electives for the concentration area as ME 4820 Fabrication and Properties of Nanoscale Devices.)

- Information Item: Remove MSE 4803 B as an elective within the *Micro- and Nanoengineering* Concentration Area. MSE replaced this course with MSE 4335, which is already listed as an elective for this Concentration Area.

Mechanics of Materials – new concentration

The properties, analysis, and design of materials used in mechanical engineering systems.

Concentration Courses				
	<i>Course number and name</i>	<i>Credits</i>	<i>Check for design elective</i>	<i>Check for ME elective</i>
<i>Required</i>	ME 3180 Machine Design	3	X	
	ME 4214 Mechanical Behavior of Materials	3		X
<i>Electives (Choose 3)</i>	ME 4790 Materials Selection and Design	3		X
	MSE 4010 Environmental Degradation	3		
	ME 4041 Interactive Computer Graphics and Computer-Aided Design	3		X
	CEE 3055 Structural Analysis	3		
	*CEE 4550 Structural Analysis II (pre-req: CEE 3055)	3		
	*ME 4777 Introduction to Polymer Science and Engineering (pre-req: CHEM 2311)	3		X
	CEE 3020 Civil Engineering Materials	3		
	MSE 4325 Thin Film Materials Science	3		
	ME 4791 Mechanical Behavior of Composites	3		X
	ME 4758 Biosolid Mechanics	3		X
	BMED/MSE 4751 Introduction to Biomaterials	3		
ME 4699 Undergraduate Research (Topic related to Mechanics of Materials)	3			
TOTAL:		15		

* Requires a pre-requisite outside of ME.

Ethics change for all BSME options: ~~Social Science options: HTS 2084 and INTA 2030; Humanities options: PHIL 3105, PHIL 3109, PHIL 3127, or PHIL 4176.~~ **Acceptable ethics courses may be found at:** <http://www.catalog.gatech.edu/students/ugrad/core/ethics.php>

CATALOG CORRECTION-Minor in Energy Systems: (approved)

Administrative request:

The School of Mechanical Engineering approved the following list of electives courses to be used for the Minor in Energy Systems depth courses when the minor was originally proposed.

ME 4011 - Internal Combustion Engines (ME 3322)
ME 4315 – Energy Systems Analysis and Design (ME 2110, ME 3345) (if not used as Design Elective)
ME 4325 - Fuel Cells (ME 3322)
ME 4321 Refrigeration and Air Conditioning (approved by ME and added to proposal)
ME 4823 - Mechatronic Systems in Hybrid-Electric Powertrains (ECE 3710)
ME 4823 - Renewable Energy Systems (ME 3322, ME 3340, ME 3345*)
ME 4171 - Environmental Design and Manufacturing (senior standing)
ME 4172 – Sustainable Energy Systems Design (senior standing)
ME/AE 4701 Wind Engineering
ECE 3071- Modern Electric Energy Systems (ECE 2040 [min C] or ECE 3710)
NRE 3208 –Nuclear Reactor Physics I (NRE 3301)
NRE 4214 - Reactor Engineering (ME 3322, ME3340, ME 3345)
NRE 4610 – Intro to Plasma Physics and Fusion Engineering (senior in science or engineering)

When the minor was submitted to the IUCC as a document from multiple schools the courses listed in red above were somehow left off of the merged official proposal packet. Two of the above courses were listed on the elective list under other schools and two were left off the list entirely. This is a request to have the minor list of electives for ME students corrected to include these courses effective with the 2012-2013 catalog.

Student Petitions

1. Student Petitions Considered and Voted-Upon by the Committee

All were approved except as noted:

- 3- Readmit after second drop
- 11- Term withdrawal (**4 Denied, 1 Tabled**)
- 2- Selective withdrawal
- 2- Remove “W” from transcript (**1 Denied**)
- 2- 36-hour rule waiver (**1 Denied**)
- 4- Registration overload request (**1 Denied**)
- 1- Change grade mode (**1 Denied**)
- 1- Enroll in ARCHE for cross-registration as a sophomore

1- Fulfill Global Perspective Overlay with a course not on the approved list (**1Denied**)

1- Update registration from one to three hours for a research class

2. Petitions Handled by Administrative Decision

The following petitions met the guidelines for “Administrative Action,” and were decided by the Registrar under the authority granted to her by the Committee. All were approved except as noted:

1- Return Fall 2012 after withdrawing Summer 2012

1- 10-year rule waiver

1- Selective withdrawal (transient student)

1- Term withdrawal (transient student)

5- Readmit after 1st drop

1- Substitute ARCH 6502 for CS requirement

1- Readmit after 2nd drop (**1 Denied**)

1- Use ECON2105/2106 to meet Social Science elective requirement despite taking ECON2100.

Adjourned,

Reta Pikowsky
Registrar