

**Institute Undergraduate Curriculum Committee
Appeals and Academic Matters (Full Committee)
Tuesday, June 18, 2013**

Present: Agrawal (ChBE), Smith (ME), Goodisman (BIOL), Hollengreen (ARCH), Berry (PUBP), Riedl (ME), Yaszek (LMC), Paredis (ME), Riley (ECE), Potts (Provost's Office)

Visitors: Laros (REG), Ferri (ME), Raczynski (CoC)

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 College of Computing for a correction to the current catalog to replace the previously approved CX versions of courses for the currently listed CS versions in nine degree concentrations. After discussion this was decided that it did not need an official vote since the new CX courses and deactivations of the CS versions had previously been approved and this was just an administrative item. This change was acknowledged without concern.

Administration correction to current catalog: Acknowledged without concern.
Bachelor of Science in Computer Science

Correct current catalog and Degreeworks for 2013-2014 to replace the CS courses that have been converted to the new CX subject code approved by IUCC January 2013. These courses are being used in nine of the CS concentrations.

CoC thought these changes would be made automatically after the new subject code was approved since they are direct replacements for the current CS courses.

Concentrations to be corrected:

CS: Devices-Mod/Sim
CS: Info/Internetworks-Mod/Sim
CS: Intelligence-Mod/Sim
CS: Media-Mod/Sim
CS: Mod/Sim-People
CS: Mod/Sim-Systems/Arch
CS: Mod/Sim-Theory
CS: Info/Internetworks-Media
CS: Media-People.

The courses being updated in the curricula are:

CS 4140 to CX 4140
CS 4225 to CX 4220
CS 4335 to CX 4230
CS 4642 to CX 4640
CS 4230 to CX 4236

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

New Courses: Approved

BIOL 3755: Human Physiology	3-0-3
BIOL 3756: Laboratory in Human Physiology	0-3-1

Degree Modification: Approved

Bachelor of Science in Biology

The School of Biology proposes to change the Quantitative Requirement so as to improve the quantitative literacy of our students. The recommendation is to redefine the list of classes that fulfill the Quantitative Requirement to include only BIOL 2400, BIOL 4150, and BIOL 4401 (other advanced quantitative courses may be approved on a case by case basis for exceptional students).

This modification will result in the removal of six courses from the list of courses currently allowed to fulfill the Quantitative Requirement. These courses are being eliminated because they (a) have as a prerequisite another course that already fulfills the Quantitative Requirement and are therefore redundant, (b) require prerequisites that few Biology students take and are therefore not widely applicable, or (c) are insufficiently quantitative or too specialized and are therefore not sufficiently rigorous.

Courses currently available to fulfill Quantitative Requirement, with classes to be eliminated shown with strikethrough (comment)

BIOL 2400 Mathematical Models in Biology (general, intensive quantitative course)
BIOL 4150 Genomics & Applied Bioinformatics (general, intensive quantitative course)
BIOL 4401 Experimental Design & Biostatistics (general, intensive quantitative course)
~~BIOL 4422 Theoretical Ecology (BIOL 2400 is a prerequisite)~~
~~BIOL 4755 Mathematical Biology (BIOL 2400 is a prerequisite)~~
~~BIOL 4545 Human Genetics (content focused, insufficiently quantitative)~~
~~BIOL 4803 Population Biology (content focused, insufficiently quantitative)~~
~~MATH 3770 Statistics & Applications (MATH 2401 is a prerequisite)~~
~~MATH 3215 Probability & Statistics (MATH 2401 is a prerequisite)~~

The proposed changes are aimed at ensuring that all courses that fulfill the Quantitative Requirement are (1) substantially mathematical, statistical or computational in nature and (2) sufficiently general in presentation so as to allow further advancement in any sub-discipline of

biology. The key difference is that fewer courses will be used to fulfill the Quantitative Requirement. The remaining courses will be more rigorous and generally applicable.

3. A motion was made to **acknowledge** a request from the School of Mechanical Engineering for prerequisite changes. This change was acknowledged without concern.

Modify Prerequisites: Acknowledge without concern

We request that the full listing of pre-requisites and pre-requisites with concurrency be added to Banner for all undergraduate ME classes. We request that the course catalog list the common substitutions and equivalencies that the School currently uses. These equivalencies are especially important for helping transfer students register for ME classes. Having the complete list of pre-requisites in Banner will save considerable time since these substitutions and equivalencies must currently be added *each semester for each section of each course*.

	<u>Proposed</u>			<u>Current</u>		
	Class	Min Grade	Prereq w/ Concurrency	Class	Min Grade	Prereq w/ Concurrency
ME 2016	(CS 1371	D		CS 1321	D	
	OR CS 1301	D		AND (MATH 1502	D	
	AND CS 1171	D		OR MATH 1512)	D	
	OR CS 1311	D		OR (MATH 15X2	D	
	AND CS 1171	D		AND MATH 1522)	D	
	OR CS 13X1	D				
	AND CS 1171	D				
	OR CS 13X2	D				
	AND CS 1171	D				
	OR CS 17XX	D				
	AND CS 1171	D				
	OR CS 15XX	D				
	AND CS 1171)	D				
	AND (MATH 2403	C	Y			
	OR MATH 2413	C	Y			
	OR MATH 24X3)	C				
	AND (MATH 1502	C				
	OR MATH 1512	C				
	OR MATH 15X2	C				
AND MATH 1522)	C					
ME 2110	(AE 1770	D		(AE 1770	D	
	OR CEE 1770	D		OR CEE 1770	D	
	OR ME 1770)	D		OR ME 1770)	D	
	AND COE 2001	C	Y	AND ME 2016	D	Y

				AND	(AE 2120	D	
				OR	ME 2211)	D	Y
ME		COE 2001	C		ME 2016	D	
2202				AND	ME 2211	D	
ME		(MATH 2403	C		(MATH 2403	D	
3017				OR	MATH 24X3	D	
	OR	MATH 24X3	C	OR	MATH 2413)	D	
	OR	MATH 2413)	C	AND	ME 2202	D	
	AND	(ME 2202	D	AND	ECE 3741	D	Y
	OR	AE 2220)	D				
	AND	ME 2016	D				
	AND	(ECE 3710	D				
	OR	ECE 2040)	D				
ME		(ME 3340	D		ME 3340	D	
3057				AND	COE 3001	D	
	OR	CEE 3040)	D	AND	ME 3015	D	Y
	AND	COE 3001	D	AND	ME 3345	D	Y
	AND	(ME 3015	D	AND	(MATH 3770	D	Y
	OR	ME 3017	D	OR	ISYE 3770	D	Y
	OR	AE 3515)	D	OR	CEE 3770)	D	Y
	AND	ME 3345	D				
	AND	(CEE 3770	D				
	OR	ISYE 3770	D				
	OR	MATH 3770)	D				
ME		(AE 1770	D		(AE 1770	D	
3180				OR	CEE 1770	D	
	OR	CEE 1770	D	OR	ME 1770)	D	
	OR	ME 1770)	D	AND	ME 3201	D	
	AND	ME 2110	D				
	AND	COE 3001	D				
ME		MSE 2001	D				
3210							
		ME 2110	D				
ME		(PHYS 2211	C		PHYS 2211	D	
3322				AND	(MATH 2403	D	
	OR	PHYS 2231)	C	OR	MATH 24X3	D	
	AND	(MATH 24X3	C	OR	MATH 2602	D	
	OR	MATH 2403	C	OR	MATH 2413)	D	
	OR	MATH 2413)	C	AND	ME 2016	D	
ME		(ME 2202	D		ME 2202	D	

3340

OR AE 2220 D
 OR NRE 2110 D
 OR NRE 3301 D
 OR MSE 3005 D
 OR PTFE 2200) D
 AND (ME 3322 D Y
 OR CHEM 3411 D Y
 OR MSE 3001) D Y
 AND (MATH 2401 C
 OR MATH 2411 C
 OR MATH 24X1) C
 AND (MATH 2403 C
 OR MATH 2413 C
 OR MATH 24X3) C
 AND COE 2001 C

ME
3345

(MATH 2403 C
 OR MATH 24X3 C
 OR MATH 2413) C
 AND (ME 3340 D
 OR CEE 3040) D
 AND ME 3322 D

ME
3720

(CHEM 1310 D
 OR CHEM 1211K D
 OR CHEM 1212K D
 OR CHEM 12X1) D
 AND (PHYS 2211 D
 OR PHYS 2231) D
 AND (MATH 2403 D
 OR MATH 2602 D
 OR MATH 24X3 D
 OR MATH 2413) D

ME
4011

ME 3322 D

ME
4012

ME 3015 D

OR ME 3017 D
 OR AE 3515 D

ME
4041

ME 3180 D

AND ME 3345 D

ME
4056

ME 3345 D

AND ME 3057 D

AND ME 3322 D Y
 AND MATH 2401 D
 AND MATH 2403 D

(MATH 2403 D

OR MATH 24X3) D
 AND ME 3340 D

CHEM 1310 D

AND PHYS 2211 D
 AND (MATH 2403 D
 OR MATH 24X3 D
 OR MATH 2413) D

ME 3322 D

ME 3015 E

ME 3180 D

AND ME 3345 D

ME 3345 D

AND ME 3057 D

	AND	(ME 3015	D	AND	ME 3017	D
	OR	ME 3017	D	AND	(MATH 3770	D
	OR	AE 3515)	D	OR	ISYE 3770)	D
	AND	(MATH 3770	D			
	OR	CEE 3770	D			
	OR	ISYE 3770)	D			
ME 4182		ME 2110	D		ME 2110	D
	AND	(ME 3180	D	AND	ME 3180	D
	OR	ME 4315)	D	AND	ME 4210	D
	AND	(MATH 3770	D	AND	ME 4315	D
	OR	CEE 3770	D			
	OR	ISYE 3770)	D			
	AND	ME 3345	D			
	AND	COE 3001	D			
	AND	ME3210	D			
ME 4189		(MATH 2403	D		ME 3015	D
	OR	MATH 24X3	D			
	OR	MATH 2413)	D			
	AND	(ME 2202	D			
	OR	AE 2220)	D			
ME 4193		COE 3001	D		ME 3201	D
	AND	(ME 3340	D		ME 3340	D
	OR	CEE 3040)	D			
ME 4214		COE 3001	D		COE 3001	D
ME 4215		COE 3001	D			
	AND	ME 3210	D			
	AND	ME 3345	D			
ME 4315		(AE 1770	D		(AE 1770	D
	OR	CEE 1770	D	OR	CEE 1770	D
	OR	ME 1770)	D	OR	ME 1770)	D
	AND	ME 2110	D	AND	ISYE 3025	D
	AND	ME 3345	D	AND	ME 3345	D
ME 4321		ME 3322	D		ME 3322	D
	AND	ME 3345	D	AND	ME 3345	D
ME 4324		ISYE 3025	D		ISYE 3025	D

	AND	ME 3345	D
ME 4325		ME 3322	D
ME 4330		ME 3345	D
ME 4340		ME 3345	D
ME 4342		ME 3345	D
ME 4447		ME 3057	D
	AND OR	(ME 3015 ME 3017)	D D
ME 4451		ME 3015	D
	OR OR	AE 3515 ME 3017	D D
ME 4452		ME 3015	D
	OR OR	AE 3515 ME 3017	D D
ME 4701	AND	(MATH 2401	D
	OR	MATH 2411	D
	OR	MATH 24X1)	D
	AND	(PHYS 2211	D
	OR	PHYS 2231)	D
ME 4740		BIOL 1520	D
	OR	BIOL 3600	D
	OR	BMED 3100	D
	OR	PHYS 2211	D
	OR	PHYS 2231	D
ME 4754		ECE 3040	C
	OR	ECE 3710	D
ME 4757		AE 2020	D
	OR	ME 3340	D
	OR	BMED 3300	D

	AND	ME 3345	D
		ME 3322	D
		ME 3345	D
		ME 3345	D
		ME 3345	D
		ME 3057	D
		ME 3015	D
		ME 3017	D
		MATH 2401	D
		PHYS 2211	D
		BIOL 1520	D
	OR	BIOL 3600	D
	OR	BMED 3100	D
	OR	PHYS 2211	D
		ECE 3040	D
	OR	ECE 3710	D
		AE 2020	D
	OR	ME 3340	D
	OR	BMED 3300	D

	OR	CEE 3040	D
ME 4758		COE 3001	D
	OR	BMED 3400	D
ME 4760		MATH 2403	D
	OR	MATH 24X3	D
	OR	MATH 2413	D
ME 4775		CHEM 2312	D
	AND	CHEM 3411	D
ME 4776		CHBE 4775	D
	OR	CHEM 4775	D
	OR	ME 4775	D
	OR	MSE 4775	D
	OR	PTFE 4775	D
ME 4777		MSE 2001	D
	AND	CHEM 2311	D
ME 4781		ECE 3040	C
	OR	ECE 3030	C
	OR	ECE 3710	D
ME 4782		BMED 3500	D
	OR	CHBE 4400	D
	OR	ECE 2040	C
	OR	ME 3015	D
	OR	ME 3017	D
ME 4790		COE 3001	D
	OR	MSE 3003	D
ME 4791		COE 3001	D
ME 4793		(CHEM 1310	D
	OR	CHEM 1211K	D
	OR	CHEM 1212K	D
	OR	CHEM 12X1)	D
	AND	(PHYS 2212	D

	OR	CEE 3040	D
		ME 3201	D
	OR	BMED 3400	D
		MATH 2403	D
	OR	MATH 24X3	D
	OR	MATH 2413	D
		CHEM 2312	D
	AND	CHEM 3411	D
		CHBE 4775	D
	OR	CHEM 4775	D
	OR	ME 4775	D
	OR	MSE 4775	D
	OR	PTFE 4775	D
		MSE 2001	D
	AND	CHEM 2311	D
		ECE 3040	D
	OR	ECE 3710	D
		BMED 3500	D
	OR	CHBE 4400	D
	OR	ECE 2040	D
	OR	ME 3015	D
		COE 3001	D
	OR	MSE 3003	D
		ME 3201	D
		PHYS 2212	D
	AND	CHEM 1310	D

ME
4794

OR	PHYS 2232)	D
	(CHEM 1310	D
OR	CHEM 1211K	D
OR	CHEM 1212K	D
OR	CHEM 12X1)	D
AND	(PHYS 2212	D
OR	PHYS 2232)	D

	PHYS 2212	D
AND	CHEM 1310	D

Correction of Course equivalency:

Correct duplicate/equivalent course indicator on ME 4452 and ME 3015. Originally listed in error when ME 4452 was created and ME 3015 (4-hour course) was replaced with ME 3017 (3-hour course)

The School of Mechanical Engineering requests that the course description and equivalency indicators for ME 4452 *Control of Dynamic Systems* be corrected so that it is not listed as being equivalent to ME 3015 *Dynamic Systems and Control*. In our previous BSME curriculum, ME 3015 was a required 4-credit-hour class which has now been discontinued. This class was replaced with the required 3-hour class ME 3017 (3-0-3) *Dynamic Systems* and a 3-credit-hour elective course ME 4452 (3-0-3) *Control of Dynamic Systems*. ME 4452 has substantial content beyond what was taught in ME 3015. Furthermore, ME 4452 is one of the required classes for the Concentration Area in *Automation and Robotics*. Hence, students who took ME 3015 before it was discontinued are being excluded by *Degree Works* from fulfilling the requirements for this option.

4. Discussion of how the Provost's Curriculum Committee functions by Dr. Potts. The following information was provided during this discussion to provide a better understanding of the Provost's Curriculum Committee and its role in reviewing new course proposals from non-academic units on campus.

The Provost's Curriculum Committee (PCC), currently chaired by Chuck Parsons (Scheller College of Business) is a committee appointed by the deans to serve as a substitute for a school/college undergraduate or graduate curriculum committee in reviewing new course proposals. The PCC provides initial oversight regarding the academic quality of the proposed course before it is passed to the IUCC or IGCC.

The subject codes for these courses offered by non-academic units are either a code that has been used previously that students understand such as CETL or GT.

Who "owns" these courses is a matter that is not yet clear. A unit of the Office of the Provost should own every course not falling under a school or college. The VP or A VP in question has the same role as the chair of an academic unit in being responsible for the continued quality of the course and answerable to the IUCC/GCC. Thus, Coop courses and GT 1000 fall under VPUE, CETL courses under VPLE/AVPLE, OIE courses under VPPII.

The proposed GT 6000 would fall under VPGEFA, etc.

However, non-academic units, such as Career Services or the Leadership Program in Student Affairs currently offer some courses. After approval by the curriculum committees, these currently have no real academic oversight. It's proposed that in the future, these courses should be operated by those non-academic units as if they had been sub-contracted out by the relevant unit, the "owning" unit, of the Office of the Provost. It is this unit that is responsible to the curriculum committees.

Should administrative reorganizations or re-prioritizations occur that question the course's viability or objectives, the VP/AVP would need to take responsibility for reallocating the course to another non-academic unit, a suitable unit within the Office of the Provost, or a school or college. All such decisions should be approved by the IUCC or GCC

Another matter that remains somewhat unclear is in regard to who oversees the delivery of the course, who oversees the teaching of the course. The budgeting and delivery of the course should be the operational responsibility of the unit that proposed the course. In most cases, this is the owning unit within the Office of the Provost. The Office of the Provost, however, or a designee (e.g. willing faculty) is responsible for guaranteeing that the external unit is meeting the obligations outlined in the course proposal.

Adjourned,

Ann Laros

for

Reta Pikowsky

Registrar