

Institute Undergraduate Curriculum Committee
Academic Matters (Full Committee)
Tuesday, November 5, 2013

Present: Hollengreen (ARCH), Pikowsky (REG), Senf (LMC), Smith (ME), Goodisman (BIOL), Loss (MATH), Yaszek (LMC), Klein (ECE) MacIntyre (CoC), Scott (CEE), Berry (PUBP), Sankar (AE), Wilkinson (CHEM), Singleton (PSYC), Potts (VP)

Visitors: Laros (REG), Merkousko (REG), Hodges (REG), Dobranski (CAS), Bramblett (IRP), Evanuk (OIE/IP), Stafford (APPH), Steinbart (MATH), Leavey (CoS), Lubinsky (MATH), Belton (ECON), Chernoff (BIOL), Green (BIOL), Bowman (INTA)

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 *approve* a request from the College of Science for a new course. The motion was seconded and approved.

New Course: Approved

COS 2000: Introduction to Research

1-0-1

Note: Course was approved at the catalog level as Letter/Grade and Pass/Fail. David Collard and Cam Tyson were added as additional potential instructors for the course.

2. A motion was made to *approve* a request from the School of Economics for a Degree Modification and for new courses. The motion was seconded and approved.

New Courses: Approved

ECON 1001: Economics at Work

1-0-1

ECON 2250: Statistics for Economists

3-0-3

Degree Modification: Approved

Bachelor of Science in Economics

Note: The above proposals were previously tabled and now have been updated and approved. The Economics at Work course has been changed from a 2000-level to a 1000-level per the committee's request.

The key differences between the current program and the proposed new one are:

- ECON 1001 “Economics at Work” is a new course for 1 credit hour.
- ECON 2250 “Statistics for Economists” will replace MGT 2250.
- ECON majors would be required to take 12 hours of ECON electives instead of the current 9 hours.
- These changes will reduce the number of Free Electives from 20 credit hours to 16 credit hours. This is comparable to the Free Electives for other majors at Georgia Tech.

Bachelor of Science in Economics - Proposed Changes in Degree Requirements

REQUIREMENT	CURRENT			CHANGES	NEW	
	REQ HRS	COURSE(S)	NOTES		REQ HRS	
Wellness	2	HPS 1040 or APPH 1040 or APPH 1050				
Core A - Essential Skills	3	<u>ENGL 1101</u>				
	3	<u>ENGL 1102</u>				
	4	MATH 1501 or MATH 1712				
Core B - Institutional Options	3	<u>CS 1315</u>				
Core C - Humanities	6	<u>Any HUM</u>				
Core D - Science, Math, & Technology	4	<u>Lab Science</u>				
	4	<u>Lab Science</u>				
	4	MATH 1502 or MATH 1711				
Core E - Social Sciences	3	HIST 2111 or HIST 2112 or INTA 1200 or POL 1101 or PUBP 3000				
	9	<u>Any SS</u>				
Core F - Courses Related to Major	3	<u>ECON 2105</u>	c			
	3	<u>ECON 2106</u>	c			
	3	<u>MGT 2250</u>		Replaced by new course ECON 2250: Statistics for Economists		3
	3	INTA 1000- or 2000-level course				
	3	Engineering or Science Elective	a			

Major Requirements	3	Second Tech Course	b	ECON 1001 - Economics at Work	1
	3	<u>ECON 3110</u>	c		
	3	<u>ECON 3120</u>	c		
	3	<u>ECON 3161</u>	c		
	3	<u>ECON 4160</u>	c		
	3	<u>ECON 4610</u>	c		
	3	<u>ECON 4910</u>	c		
ECON Electives	9	Any ECON	c	One additional ECON elective for 3 credits (replacing 3 credits for Free Electives)	12
Non-Major Cluster	12	Non-Major Cluster	d		
Free Electives	20	Free Electives		Reduced to 16 Free Elective Credit. In their place, we have one extra required ECON elective for 3 credits and a new one credit course ECON 1001 - Economics at Work	16
TOTAL:	122			No change in Total Credits	122

Pass-fail only allowed for Free Electives.

a = 1000- or 2000-level course from the College of Engineering or College of Sciences. Please consult with advisor.

b = Must be selected from: AE 1770 or CEE 1770 or CS 1316 or CS 1331 or CS 1332 or ECE 2030 or ME 1770 or ME 2016 or MGT 2200.

c = C-minimum required.

d = All twelve hours must come from the same discipline, or be part of a coherent theme. Please consult with advisor on course selection.

- A motion was made to *approve* a request from the Center for Academic Success for a new course. The motion was seconded and approved.

New Course: Approved

GT 2100: Seminar on Academic Success

1-0-1

Note: The requirement of this course for students returning from academic dismissal and its inclusion on the readmission contract is being submitted to the Student Regulations Committee for consideration since the regulations will need to be reviewed and revised as well. It was noted during the discussion that the “coaching sessions” of this course occur outside class and are conducted as appointments with the students when they can be best scheduled.

4. A motion was made to *approve* a request from the School of Biology for a new course and to *acknowledge* a prerequisite correction and changes to course restrictions. The motion was seconded and approved and the prerequisite correction and course restriction changes were acknowledged without concern.

New Course: Approved

BIOL 4012: Protein Biology

3-0-3

Prerequisite Modification correction:

Biol 4746 (Signaling Molecules)

Old: Biol 1510 OR Biol 1511 AND Chem 2311

New: (Biol 1510 OR Biol 1511) AND Chem 2311

Undergraduate Semester level and Minimum grade of D

JUSTIFICATION: Technical error made when entered into the catalogue.

Changes in course restrictions – no changes to any category that is not indicated below

BIOL 3381 (Intro Microbiology Lab)

NEW: Field of Study – Include MAJOR BIO

JUSTIFICATION: Space limitations require restriction to BIO majors. Other majors who are required to take a 3000 level BIOL lab are permitted in.

BIOL 3451 (Cell & Molecular Biology Lab)

NEW: Field of Study – Include MAJOR BIO

JUSTIFICATION: Space limitations require restriction to BIO majors. Other majors who are required to take a 3000 level BIOL lab are permitted in.

BIOL 4450 (Senior Seminar)

OLD: Field of Study - Include MAJOR BIOL

NEW: Field of Study – Include MAJOR BIO

JUSTIFICATION: BIO is the new designation for Biology majors.

BIOL 4590 (Research Project Lab)

NEW: Field of Study – Include MAJOR BIO

NEW: Class – Include SR

JUSTIFICATION: Only Senior BIO majors are allowed to take this course. Ordinarily, only senior BIOL majors are allowed, but juniors are permitted if there is space available.

BIOL 4690 (Independent Research Project)

NEW: Field of Study – Include MAJOR BIO

NEW : Class – Include SR

JUSTIFICATION: Only Senior BIO majors are allowed to take this course. Ordinarily, only senior BIOL majors are allowed, but juniors are permitted if there is space available.

BIOL 4910 (Honors Research Thesis)

NEW: Field of Study – Include MAJOR BIO

JUSTIFICATION: Only BIO majors are allowed to take this course.

5. 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 2500: Introduction to Sport Science

3-0-3

Note: Course originally proposed as Survey of Sport Science, but after further discussion the title was changed to Introduction to Sport Science.

6. A motion was made to *approve* a request from the School of Mathematics to edit a course description and for new courses. The motion was seconded and approved.

Course description change:

We propose a minor change in the description of Math1501, Calculus I, in the Georgia Tech catalog. New description to be updated effective Spring 2014.

The current description is:

Math 1501 - Differential calculus and basic integral calculus including the fundamental theorem of calculus and Taylor's theorem with remainder. Credit not allowed for both MATH 1501 and 1712.

We propose to delete the phrase “and Taylor's theorem with remainder” since Taylor’s Theorem is now covered in Math 1502, Calculus II, and not in Calculus I. Thus the new course description becomes:

Math 1501 - Differential calculus and basic integral calculus including the fundamental theorem of calculus. Credit not allowed for both MATH 1501 and 1712.

New Course: Approved

MATH 3771: Probability and Statistics with Applications

Note: MATH 3770 will be officially requested to be deactivated and sent to the IUCC for approval at a later meeting.

New Courses: Approved

MATH 1503: Calculus I for the Life Sciences

MATH 1504: Calculus II for the Life Sciences

Note: These new courses do not represent versions of MATH 1501 and 1502 that have had material removed. They represent versions of MATH 1501 and 1502 that have slightly different material that better addresses the needs of the life sciences. Academic units may make their own decisions about using these new courses as prereqs for their courses or as degree requirements. Units that wish to

retain MATH 1501 and 1502 as their prereqs and for degree requirements need not make any changes. Those units that do wish to use these new courses should work with the Registrar's Office to prepare those proposals for the IUCC.

7. A motion was made to *acknowledge* a request from the Office of International Education, International Plan to add new Capstone and Country/Region courses to the IP program. The motion was acknowledged without concern.

Informational Item:

New IP Capstone and Country/Region Courses

The International Plan requires that all participants complete a culminating capstone course that integrates the international experiences into the student's major. Each participating academic unit must designate a course (or courses) to be used for the IP Capstone and seek approval from the International Plan Committee. In April 2013, the IP Committee voted to approve the following courses to serve as the Capstone courses for students majoring in Applied Languages & Intercultural Studies, Global Economics & Modern Languages, and International Affairs and Modern Languages:

CHIN 4500: Intercultural Seminar
FREN 4500: French Intercultural Capstone Seminar
GRMN 4500: Advanced Intercultural Seminar
JAPN 4500: Japanese Capstone Experience
RUSS 4500: Russian Intercultural Seminar
SPAN 4500: Intercultural Seminar in Spanish

Students should enroll in the course that correlates with their language of focus.

These courses should also be listed in the GT Catalog under the "country/region" category of the International Plan globally-focused courses. Students from outside majors (i.e. non-ALIS, non-GEML, and non-IAML majors) may choose to take these courses as their country/region course, provided they meet the course pre-requisites. These courses may NOT count as the country/region course for ALIS, GEML, and IAML students.

Note: A question was raised after the meeting as to why the titles of these seminars are worded slightly differently and whether it might make sense to have them all read the same way such as, "Chinese Intercultural Seminar", "French Intercultural Seminar", etc. The Registrar's Office will pass this question along to the School of Modern Languages.

Additional Note: The Registrar's Office reviewed this after the meeting and discovered that the names of the courses are actually the same. The confusion was generated because they were listed incorrectly in this proposal. There is one course that does not match the rest and contact is being made with Modern Languages to correct that.

8. A motion was made to *approve* a request from the School of Public Policy to for a minor modification and a certificate modification. The motion was seconded and approved.

Minor Modification: Approved

Law, Science, and Technology

Certificate Modification: Approved

Pre-law certificate

The LS&T minor and Pre-Law certificate require students to take one of four core menu classes.

Core Course Options

PUBP 3000 Constitutional Issues

PUBP 3016 Judicial Process

PUBP 3610 Pre-Law Seminar

PUBP 4609 Legal Practice

The remaining classes are electives.

One of those electives has been a class previously offered as MGT 4803 Special Topic: Principles of Commercial Law taught by Adjunct Lecturer Lawrence Keller. We exercised our local authority to apply it toward the minor/certificate. Now that the class has been re-numbered as MGT 3605, we request authorization to apply the newly re-numbered class toward the LS&T minor and Pre-Law certificate.

Elective List for Minor and Certificate:

Electives

CS 4010 Introduction to Computer Law

CS 4280 Survey of Telecommunications and the Law

ECON 4300/4301 Economics of Information, Transaction Costs and Contracts

ECON 4320/4321 Economics of Technology, Innovation, and Entrepreneurship

HTS 3002 History of American Business

HTS 3006 United States Labor History

HTS 3085 Law, Technology, and Politics

INTA 3031 Human Rights in a Technological World

INTA 3301* International Political Economy

INTA 4060 International Law

MGT 2106** Legal, Social, Ethical Aspects of Business

MGT 3102** Managing Human Resources within a Regulatory Environment

MGT 3605 Principles of Commercial Law

MGT 3606 International Business Law

MGT 3608 Technology Law and Ethics

MGT 3609 Legal Aspects of Real Estate

MGT 4010 Business Taxation

PHIL 3113 Logic and Critical Thinking

PUBP 3000 Constitutional Issues (if not counted as a core course)

PUBP 3016 Judicial Process (if not counted as a core course)

PUBP 3610 Pre-Law Seminar (if not counted as a core course)

PUBP 4111: Internet and Public Policy
PUBP 4226 Business and Government
PUBP 4314 Environmental Policy and Regulation
PUBP 4440: Science, Technology, and Regulation
PUBP 4512 Politics of Telecommunications Policy
PUBP 4609 Legal Practice (if not counted as a core course)
PUBP 4652 OLA Legal Internship
PUBP 6330 Environmental Law

Special Topics elective courses (number designations may change)

CS 480# Special Topics: Internet Law
INTA 480# Special Topics: International Law
INTA 480# Special Topics: International Human Rights
INTA 480# Special Topics: National Security Law
INTA 480# Special Topics: The Laws of War
ME 480# Special Topics: Engineering Law and Ethics
MGT 480# Special Topics: Business and Government Regulation
MGT 480# Special Topics: Corporate Governance
~~MGT 480# Special Topics: Principles of Commercial Law~~
MGT 480# Special Topics: Law for Entrepreneurs
PHIL 480# Special Topics: Health Care Law, Policy, and Management/Ethics
PUBP 480# Special Topics: Biomedical Law, Policy, & Ethics
PUBP 480# Special Topics: Biotechnology Law, Policy & Ethics
PUBP 480# Special Topics: Biotechnology Law & Policy
PUBP 480# Special Topics: Current Controversies
PUBP 480# Special Topics: Environmental Law
PUBP 480# Special Topics: Race, Gender, and the Fourteenth Amendment
PUBP 480# Special Topics: Health Care Law, Policy, and Management/Ethics
PUBP 480# Special Topics: History of American Law
PUBP 480# Special Topics: Internet Law
PUBP 480# Special Topics: Law and Science
PUBP 480# Special Topics: Legal Internship
PUBP 480# Special Topics: Mock Trial
PUBP 480# Special Topics: Science, Philosophy, and the Law
PUBP 480# Special Topics: Survey of Telecommunications and the Law
PUBP 480# Special Topics: Technology Law, Policy & Management
PUBP 480# Special Topics: Transactional Law
PUBP 480# Special Topics: Foundations of Leadership (if taken before Summer 2010)
PUBP 48## Special Topics: Advanced Intellectual Property Law (one credit)
PUBP 48## Special Topics: Legal Research and Writing (one credit)

Also, special problems courses, as designated by the Director of the Law, Science & Technology Program on a case-by-case basis, may be counted toward the electives requirements for the Certificate and Minor.

*Note 1: INTA majors MAY NOT count this course as an elective toward the Certificate or Minor because it is required by name and number for the INTA major. This is an Institute rule for Certificates and Minors.

**Note 2: Management majors MAY NOT count these courses as electives toward the Certificate or Minor because they are required by name and number for the Management major. This is an Institute rule for Certificates and Minors.

9. A motion was made to *acknowledge* a request from the School of International Affairs to modify prerequisites. The motion was acknowledged without concern.

Prerequisite Modifications: Acknowledged

As part of an overhaul of the undergraduate course offerings, and to encourage enrollment in classes, the faculty of the Sam Nunn School request to remove prerequisites for the following courses:

<u>Course Number and Name</u>	<u>Prerequisite to be Removed</u>
INTA 2100, Great Power Relations	INTA 1110, Intro to Int'l Relations
INTA 3102, Problem of Proliferation	INTA 1110, Intro to Int'l Relations
INTA 3104, Int'l Negotiations	INTA 1110, Intro to Int'l Relations
INTA 3120, European Security Issues	INTA 1110, Intro to Int'l Relations
INTA 3131, Pacific Security Issues	INTA 1110, Intro to Int'l Relations
INTA 3203, Comparative Politics	INTA 1200, American Government INTA 2010, Empirical Methods
INTA 3301, Int'l Political Econ	INTA 1110, Intro to Int'l Relations

Adjourned,

Reta Pikowsky
Registrar