

**Institute Undergraduate Curriculum Committee
Academic Matters and Appeals (Full Committee)
Tuesday, August 12, 2014**

Present: Hollengreen (ARCH), Goodisman (BIOL), MacIntyre (CoC-IC), Mayor (ME), Pikowsky (Registrar), Riley (ECE), Senf (LMC), Singleton (PSYC), Mihail (CoC-CS), Smith (ME), Wilkinson (CHEM & BIOCHEM), Yaszek (LMC)

Visitors: Laros (Registrar), Merkousko (Registrar), Hodges (Registrar), Bowman (INTA), Colton (ME), Hammer (BIOL)

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 new courses. The motion was seconded and approved.

New Courses with Attributes - Approved for Social Science and Global Perspectives

INTA 3260: Middle East Relations 3-0-3

INTA 1050: The World Today 3-0-3

2. A motion was made to table a request from the School of International Affairs for a new course. The motion was seconded and approved.

New Course with Attributes - Tabled

INTA 3773: Global Issues & Leadership

Note: INTA 3773 is being proposed as cross-listed with LMC 3773 which is still pending GEN ED approval. This course is tabled until both courses can be presented to the IUCC at the same time for review.

3. A motion was made to approve a request from the School of International Affairs and the School of Mechanical Engineering for new courses and a new interdisciplinary minor. The motion was seconded and approved.

New Courses: Approved

INTA 4744: Global Development Capstone	3-0-3
ME 4744: Global Development Capstone	3-0-3

New Interdisciplinary Minor: Approved

Minor in Global Development

The minor in Global Development will prepare students to be empathetic catalysts for improving the lives of the world's vulnerable communities in a sustainable manner. Students will learn and apply analytical skills and practical problem-solving techniques, gain technical competence, learn sensitivity to local cultures and social conditions, and master the ability to collaborate across disciplines to solve problems in Global Development. Students will learn to define problems, facilitate and contribute to their solutions, and, in the process, become more objective, non-linear thinkers with the capacity to synthesize data and seek and value perspectives other than their own.

The Global Development minor will require 15 semester hours of coursework with at least 9 hours of upper-division coursework. Courses taken to satisfy Core Areas A through E may not be counted as coursework in the minor. Students must earn at least a "C" in each course.

Minor requirements:

- 1 required Cornerstone course (INTA 2050 - Introduction to Global Development) - 3 hours
- 3 elective hours from a list of approved electives - 9 hours
- 1 required Capstone course (INTA/ME 4744 - Global Development) - 3 hours

Elective Courses

CEE	4803	Special Topics: Environmental Technology in the Developing World
CP	4020	Introduction to Urban and Regional Planning
CP	4190	Introduction to Climate Change Planning
CP	4210	Environmental Planning and Impact Assessment
CP	4310	Urban Transportation
CS	4911	Computing for Good
ECON	2101	The Global Economy
ECON	3300	International Energy Markets
ECON	4311	Global Enterprise

ECON	4350	International Economics
ECON	4351	International Financial Economics
ECON	4355	Global Financial Economics
ECON	4411	Economic Development
ECON	4415	Conflict and Security in Developing Countries
HTS	3055	Globalization Modern Era
HTS	3064	Sociology of development
INTA	2050	Introduction to Global Development (Required cornerstone)
INTA	3773	Global Issues and Leadership
INTA	3031	Human Rights
INTA	3240	Government and Politics -Africa
INTA	3240	Latin American Politics
INTA	3301	International Political Economy
INTA	3303	Political Economy Development
INTA	4803	Computers, Communication and International Development
INTA	4803	Evaluating International Development Projects
INTA	4803	Modernization and Development
INTA/ME	4744	Global Development Capstone (Required capstone)
ME	2803	Engineering and Global Development
MGT	4194	Social Entrepreneurship
PUBP	4260	Economic Development Policy and Planning

INTA and ME will determine the effectiveness of the Global Development minor in coordination with the OATS office and Academic Program Review. The minor's learning outcomes are as follows:

- Students will articulate their mastery of development theories and ideas that have guided development practice in Asia, Africa, Latin America, and the Middle East.
- Students will describe the way that states, firms, key international financial institutions, civil- society organizations, and non-governmental agencies are organized and the way that these organizations frame development issues and affect outcomes.
- Students will demonstrate ability to analyze the myriad problems faced by development agencies and other change agents which seek modernization in impoverished countries and assess the potential impacts (both intended and unintended) of development projects.
- Students will demonstrate the ability to work on multidisciplinary teams to design solutions to development issues that are sensitive to local social and political variables and conditions.
- Students will demonstrate the ability to assess the experience of the people and institutions that are the targets of their development activities.

The first three learning outcomes will be assessed through exams and written assignments in the foundations course that all students must take. The fourth and

fifth learning outcomes will be assessed through group projects (written work and oral presentations) in the required capstone course.

4. A motion was made to approve a request from the School of Biology for a new course, a course deactivation, and degree modification. The motion was seconded and approved. Prerequisite changes were acknowledged without concern.

New Course – Approved

BIOL 4460: Communicating Biological Research 3-0-3

Deactivate Course – Approved

BIOL 4450: Senior Seminar

Prerequisite changes - Acknowledged without concern

Changes in prerequisites for School of Biology classes

BIOL 2400 - Math Models in Biology

Old Prerequisites: Calculus II and Biological Principles [(MATH 1502 or MATH 1512 or MATH 1522) and (BIOL 1510 or BIOL 1511)]

New Prerequisites: Calculus II, now including Calculus II for Life Sciences, and Biological Principles [(MATH 1502 or MATH 1504 or MATH 1512 or MATH 1522) and (BIOL 1510 or BIOL 1511)]

Rationale: Most Biology students will now be taking MATH 1504, Calculus II for Life Sciences, instead of MATH 1502.

BIOL 3600 - Intro Evolutionary Biology

Old Prerequisites: Genetics and Ecology [(BIOL 2344 or BIOL 2354) and (BIOL 2335 or BIOL 2337)]

New Prerequisites: Genetics or Ecology (BIOL 2344 or BIOL 2354 or BIOL 2335 or BIOL 2337)

Rationale: Introductory Biology contains sufficient amounts of evolutionary material, and either genetics or ecology provides a sufficient biological basis, for students to succeed in this class. Changes to the prerequisites will allow more flexibility in scheduling and more students to take this class.

BIOL 3380 - Intro Microbiology

Old Prerequisites: Biological Principles and Organic Chemistry [(BIOL 1510 or BIOL 1511) and CHEM 2311]

New Prerequisites: Biological Principles and Introductory Chemistry II [(BIOL 1510 or BIOL 1511) and CHEM 1212K]

Rationale: Chemistry, rather than Organic Chemistry, is a more appropriate prerequisite for Microbiology. Changes to the prerequisites will also allow more students to take this class.

BIOL 3381 - Intro Microbiology Lab

Old Prerequisites: Biological Principles and Organic Chemistry [(BIOL 1510 or BIOL 1511) and CHEM 2311]

Old Corequisites: BIOL 3380

New Prerequisites: Biological Principles and Introductory Chemistry II [(BIOL 1510 or BIOL 1511) and CHEM 1212K]

New Corequisites: BIOL 3380

Rationale: Chemistry, rather than Organic Chemistry, is a more appropriate prerequisite for Microbiology. Changes to the prerequisites will also allow more students to take this class.

BIOL 4225 - Molecular Evolution

Old Prerequisites: Intro Evolutionary Biol (BIOL 3600)

New Prerequisites: Genetics (BIOL 2344 or BIOL 2354)

Rationale: Introductory Biology and Genetics classes contain sufficient amount of Genetic and evolutionary material to allow for the change in prerequisite. Changes to the prerequisite will allow more flexibility in scheduling and allow more students to take this class.

BIOL 4401 - Exper Dgn & Statis Methods

Old Prerequisites: Calculus II and Biological Principles (MATH 1502 or MATH 1512 or MATH 1522) and (BIOL 1510 or BIOL 1511)

New Prerequisites: Calculus II, now including Calculus II for Life Sciences, and Biological Principles [(MATH 1502 or MATH 1504 or MATH 1512 or MATH 1522) and (BIOL 1510 or BIOL 1511)]

Rationale: Most Biology students will now be taking MATH 1504, Calculus II for Life Sciences, instead of MATH 1502.

BIOL 4418 - Microbial Physiology

Old Prerequisites: Intro Microbiology and Cell Molecular Biol (BIOL 3380 and BIOL 3450)

New Prerequisites: Intro Microbiology (BIOL 3380)

Rationale: Intro Microbiology is a sufficient prerequisite for this class. Changes to the prerequisites will allow more flexibility in scheduling and more students to take this class.

BIOL 4471 - Behavior Biology

Old Prerequisites: Biological Principles and Calculus II and Physics II [(BIOL 1510 or BIOL 1511) and (MATH 1502 or MATH 1512 or MATH 15X2) and PHYS 2212]

New Prerequisites: Biological Principles or Intro to Organismal Biol (BIOL 1510 or BIOL 1511 or BIOL 1520 or BIOL 1521)

Rationale: The old prerequisites are outdated. Calculus and physics are not required for the way the current course is taught. Changes to the prerequisites will allow more students to take this class.

BIOL 4480 - Evolution-Develop Biology

Old Prerequisites: Intro Evolutionary Biol (BIOL 3600)

New Prerequisites: Biological Principles (BIOL 1510 or BIOL 1511)

Rationale: Introductory Biology contains sufficient amounts of evolutionary material to allow for the change in prerequisites. Changes to the prerequisites will allow more students to take this class.

BIOL 4910 – Honors Research Thesis

Old Corequisites: Senior Seminar (BIOL 4450)

Old Prerequisites: Undergraduate Research (BIOL 2698 or BIOL 2699 or BIOL 4698 or BIOL 4699)

New Corequisites: None.

New Prerequisites: Undergraduate Research (BIOL 2698 or BIOL 2699 or BIOL 4698 or BIOL 4699)

Rationale: The corequisite is not required because students may take 4910 prior to Senior Seminar (Communicating Biological Research).

Degree Modification - Approved

Bachelor of Science in Biology

The School of Biology is requesting to update information on the Biology degree program to reflect:

- Changes to the names of classes required by the Biology major
- Recently approved modifications to the Biology Quantitative Requirement.

Thus, there are no substantive changes to the content of the major.

The names of classes were changed so as to better reflect the content of the courses. Specifically:

- MATH 1501 SB 'Calculus I' was changed to MATH 1503 'Calculus I for Life Sciences'
- MATH 1502 SB 'Calculus II' was changed to MATH 1504 'Calculus II for Life Sciences'
- BIOL 4450 'Senior Seminar' was changed to BIOL 4460 'Communicating Biological Research'

The Biology Quantitative Requirement was recently amended to provide more rigor by allowing only the following classes to count towards the requirement: BIOL 2400 Mathematical Models in Biology or BIOL 4150 Genomics & Applied Bioinformatics or BIOL 4401 Experimental Design & Biostatistics.

Student Petitions

1. A motion was made to approve a written appeal for a waiver of the 36-hour rule. The motion was seconded and approved.

Adjourned,

Reta Pikowsky
Registrar