

THE DEANERY

**ALBION COLLEGE
ACADEMIC NEWSLETTER**

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ANNOUNCEMENTS FOR THE NEXT DEANERY ARE DUE MAY 10, 2013.

I. ANNOUNCEMENTS FROM COMMITTEES

From Curriculum & Resources Committee:

Curriculum & Resources Committee has approved the revision of the Biology major to renumber Biology 282 (Pathophysiology) to Biology 371 and count it as a “List III” course for the major. The revised catalog copy now reads:

Majors and Minors

Requirements for Major

- Eight units in biology, of which at least six must include a laboratory.
Biol 195: Ecology, Evolution and Biodiversity
Biol 210: Cell and Molecular Biology (requires Chemistry 121 as a prerequisite or corequisite).
Biol 300: Genetics.

At least one course from each of the following three lists:

LIST I

Biol 215: Aquatic Botany
Biol 216: Vascular Plants
Biol 225: Invertebrate Zoology
Biol 227: Vertebrate Zoology
Biol 237: Ecology
Biol 248: Ornithology

LIST II

Biol 301: Cell Biology
Biol 310: Evolution
Biol 312: Advanced Genetics
Laboratory (1/2 unit)

LIST III

Biol 362: Molecular Biology
Biol 365: Environmental Microbiology
Biol 366: Medical Endocrinology
Biol 367: Virology
Biol 368: Behavioral Ecology
Biol 369: Population Genetics
Biol 371: Pathophysiology
Biol 401 or 402: Seminar
Biol 411 or 412: Directed Study
Note: Requirement is for one course.

Biol 314: Comparative
Anatomy
Biol 321: Medical
Microanatomy
Biol 324: Developmental
Biology
Biol 332: Microbiology
Biol 341: General Physiology

- Two units of chemistry unless a substitution is approved in advance by the staff. The biology faculty strongly recommends that Chemistry 121 and Chemistry 211 be taken to satisfy this requirement. Chemistry 101, 107 and 200 do not fulfill this requirement. Further study in chemistry, physics, geology and mathematics is recommended and encouraged.
- All biology courses and cognate courses must be taken for a numerical grade, except those offered only on a credit/no credit basis.
- No more than one unit of internship credit (391, 392) can count toward the major. No more than one unit of seminar (401, 402) and no more than one unit of directed study (411, 412) credit can count toward the major.
- Neither Biology 111 nor Biology 190 (given only for AP credit) can count toward the major.
- A senior examination must be taken for assessment purposes.
- It is expected that six of the eight units in biology be taken at Albion College. Other arrangements will be made for bona fide transfer students and students in approved off-campus programs.

Information on Minors

- The minor in cell and molecular biology and the minor in environmental biology are not open to biology majors.
- Students may not choose more than one minor in the Biology Department.
- All courses for a biology minor must be taken for a numerical grade, except those offered only on a credit/no credit basis.
- Neither Biology 111 nor Biology 190 (given only for AP credit) can count toward any minor in biology.
- A senior examination must be taken for assessment purposes.

Requirements for Minor in Cell and Molecular Biology

- Five units in biology, including the following: Biology 195, 210 (requires Chemistry 121 as prerequisite or corequisite), 300. Any two of the following, of which at least one must include a laboratory: 301, 321, 324, 332, 337 (may be taken as Chemistry 337), 341, 362, 365, 367

Requirements for Minor in Environmental Biology

- Five units in biology, including the following:
Biology 195
Four of the following, including:
At least two from 215, 216, 225, 227, 248
At least one from 206, 210 (requires Chemistry 121 as prerequisite or co-requisite), 237, 365, 368 (365 and 368 require Biology 300 or permission of the instructor as prerequisite)

Requirements for Major with Secondary Education Certification

- Eight units in biology, including the following: 195, 210, 300; one unit (200-level or higher) "animal" course; one unit (200-level or higher) "plant" course. Of the latter two courses, one must be from List I. In addition, one unit in the major must be from List II. At least six of these courses must include a laboratory.
- Two units in chemistry unless a substitution is approved in advance by the staff. The biology faculty strongly recommends that Chemistry 121 and Chemistry 211 be taken to satisfy this requirement. Chemistry 101, 107, and 200 do not fulfill this requirement.
- One unit chosen from the following laboratory cognates: Geology 101 (lab required), 103 (lab required), Physics 115 (lab required).
- Completion of all other requirements for teacher certification. Students will design their program of study in consultation with the biology faculty and must obtain written approval of the Biology Department chair, preferably no later than the beginning of the second semester of the junior year.

Requirements for Minor with Secondary Education Certification

- Five units in biology, including the following:
Biology 195, 210 (requires Chemistry 121 as prerequisite), 300
One of the following: 215, 216
One of the following: 225, 227, 248, 314
- Completion of all other requirements for teacher certification.

Requirements for Interdisciplinary Major in Integrated Science with Elementary Education Certification

Students interested in pursuing elementary education certification may wish to consider an interdisciplinary major in integrated science. The integrated science major is primarily intended for students seeking a broad, cross-disciplinary understanding of the natural sciences. Students

completing a major in integrated science are required to take courses in all the natural sciences and also to choose a minor in biology, chemistry, geology or physics. The [detailed requirements for the major](#) are provided in this catalog or are available from the Education Department.

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Curriculum & Resources Committee approved the addition of PHIL 303, Business Ethics, and PHIL 309 (International Ethics and Global Development) as course electives for the Economic & Management major with Emphasis in International Business and International Economics.

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Curriculum & Resources Committee approved the elimination of the Economics & Management major with emphasis in Accounting and the E&M major with emphasis in Finance. The Department created, and the faculty approved, new majors in Accounting and Finance. Revised catalog copy will now read:

Requirements for Economics and Management Major with Emphasis (10 units)

- A minimum of 10 units in economics and management (9 for the emphasis in international business and international economics), including 101, 102, 211, 230, 232. Unless approved by the department in advance, 230 and 232 must be taken at Albion College.
- The 9-10 units used to fulfill major with emphasis requirements must be taken for a numerical grade.
- The following cognate areas must be completed for a major with emphasis: Mathematics 125 or its equivalent as demonstrated by proficiency or calculus; one statistics course from Mathematics 210, 309 or E&M 235. The major with emphasis in international business and international economics requires, in addition to the preceding, completion of an off-campus study program in a foreign country or an internship in a foreign country, plus one course from the following: a modern foreign language at the 201 level or higher; A&S 238, 248, 375; Communication Studies 313; History 103, 111, 142, 217, 218, 263, 264, 308, 309, 313, 382, 385, 390; International Studies 130, 264, 300; Modern Languages and Cultures 105; Political Science 202, 305, 336, 338, 352; Religious Studies 102, 104, 204, 211, 212.
- A focused selection of courses chosen from among the emphases listed below.
Emphasis in accounting
~~212, 311, 312, plus two units selected from the following: 341, 342, 348, 383, 384, 385.~~
Emphasis in economics
Five units selected from the following: 273, 322, 323, 326, 331, 354, 364, 365, 366, 368, 375, 379, 380.
- ***Emphasis in finance***
~~348, 368, plus three units selected from the following, including at least one of 311 or~~

312; 311, 312, 331, 344, 365.

Emphasis in general business

212, 259, 336, 348, plus one unit selected from the following: 350, 355, 357, 359, 376, 382.

Emphasis in human resources

259, 354, 355, Psychology 101, plus one unit selected from the following: 305, 353, 376, Psychology 246.

Emphasis in international business and international economics

Two units selected from 362, 363, 364, 365, 366, plus one unit selected from the following: 212, 259, 331, 336, 348, 359, 368, 376.

- A student may declare only one economics and management major with emphasis, even if the student completes the requirements for more than one emphasis.

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Curriculum & Resources Committee has approved a new minor in Educational Studies.

Catalog Copy: This interdisciplinary minor is designed for students who have a broadly defined interest in the field of education (e.g., youth development and learning; sociocultural theory applied to schooling, families and youth; youth subcultures; comparative education; fine and dramatic arts pedagogies; public education policy; environmental education; pediatric health; recreation and athletics; museum or community-based education). The minor in educational studies can benefit students who are interested in making unique connections to their major area of study as well as students who are interested in exploring careers in education. Many graduate programs and career paths such as museum studies, public policy, counselling, and sociology recognize the value of academic preparation in the field of education.

Students who participate in the educational studies minor are not required to be admitted into the Shurmur Center for Teacher Development/Teacher Education Program. The minor in educational studies is a generalized study of the field of education and does not lead to teacher certification. Students who complete teacher certification at Albion College are not eligible for the minor in educational studies.

Requirements for the Minor:

- A minimum of 5 units of coursework including one unit of coursework in foundations of education (EDUC 202), one unit of coursework in human development and learning theories (PSYC 251, 253, or Educational Psychology), completion of an internship or practicum (EDUC 203, 382 or 398) and a minimum of 2.5 units of elective coursework constituting a curricular focus. A current list of sample elective courses is available in the Education Department and is also maintained on the department website <http://www.albion.edu/education/>.
 - Please note: EDUC 202 and 203 are accompanied by a field experience in the public schools and requires completion of (1) Albion College Criminal History

Check, (2) Internet Criminal History Access Tool search, and (3) Albion College educational/judicial records check.

- Students must receive prior written consent from the Education Department to apply a Directed Study or course that is not from the recommended list toward completion of the educational studies minor. Requests should be sent directly to the chair of the Education Department.

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Curriculum & Resources Committee has approved a revision of the Ethnic Studies major to include HIST 142 and HIST 300, new courses that expand the already existing Ethnic Studies electives.

As an interdisciplinary program, Ethnic Studies relies on other departments for the major's electives; of the major's 8 units, 5 units are electives, selected from approved courses across other academic disciplines. The five electives must include two courses at the 200-level and three courses at the 300-level, and Ethnic Studies majors must choose electives from three different disciplines.

Broadening the Ethnic Studies curriculum will give students more curricular options, which is important to recruitment and retention of Ethnic Studies majors.

Furthermore, because it relies on other departments for its electives, it also relies on other departments' scheduling. ES cannot determine how many Ethnic Studies electives will be offered per semester; consequently, broadening the curricular electives will further solidify the major, which will further attract and retain Ethnic Studies majors.

With more elective options, E.S. majors can arrange their schedules more easily, and they will complete the major in a timely manner.

Most importantly, Ethnic Studies majors don't have *enough* options to choose from; as a result, they sometimes choose courses from the same professor / department, which does not fulfill E.S.'s learning outcomes. As part of our mission, students must investigate the comparative study of ethnicity and race, as well as study the culture and history of particular ethnic/racial groups within or outside the United States. And they must utilize various analytical approaches, across multiple disciplines, in order to investigate ethnic and racial issues. And finally, they must understand the meanings of racial/ethnicity diversity in order to address questions of both power and social justice.

Thus, Ethnic Studies majors must be able to take a range of courses—in different disciplines and subfields. At the same time, if Ethnic Studies can offer courses in multiple disciplines that examine a particular ethnic or racial group, then students could both focus *and* broaden their education; for example, a student could study Modern Latin American History (History), Hispanic Literature and Cultures in the U.S. (Modern Languages), and Latina/o Literature (English), in addition to studying British India (History) and Race and Its Representation in American Art (Art History).

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Gender & Ethnicity Committee:

The Gender & Ethnicity Committee has approved KIN 213, Athletic Injuries: Prevention & Treatment, for Ethnicity category credit (Michel).

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Environmental Studies Committee:

The Environmental Studies Committee has approved Chemical Analysis (CHEM 206), taught by Kevin Metz, as fulfilling the category beginning in Fall 2013.

II ANNOUNCEMENTS FROM PROVOST'S OFFICE

Great Lakes Colleges Association New Directions Initiative Grants were awarded to:

Cliff Harris, Chemistry - *Expanding my world through language acquisition*

Perry Myers (Modern Languages & Cultures) - *Indian Theosophy during the Raj: Exploring the Crossroads of Indian Religion, Politics, Ethnicity, and National Identities.*

Thom Wilch (Geological Sciences) - *Creating a Foundational GIS Database for the Upper Kalamazoo River Watershed.*

John Woell (Associate Provost) - *Design Thinking for a Sustainable Future*

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Nonye Alozie (Education) was awarded two grants: \$500 by the Rotary Club of Albion and \$4500 by the Guido A. and Elizabeth H. Binda Foundation for her 2013 Albion College Summer Science Camp to promote and renew interest among local area tenth and eleventh graders in math and science.

Kyle Shanton, Suellyn Henke, Nonye Alozie and Karen Hoaglin (Education) were awarded a \$15,000 grant by State Farm in support of the Albion College Teacher Education Program/Albion Public Schools Collaboration on *Maymester*.

III SCHOLARLY AND PROFESSIONAL DEVELOPMENT

Nonye Alozie (Education) presented *Using Video Documentation and Research Articles to Identify Patterns of Reflection on Teaching in Professional Development with High School Science Teachers* at The National Association for Research in Science Teaching (NARST) April 6-9, 2013 in San Juan, Puerto Rico.

Heather Betz (Kinesiology) is a co-author on: Montoye, A., Pfeiffer, K.A., Alaimo, K., **Betz, H.H.**, Paek, H-J., Carlson, J., & Eisenmann, J. (2013). Junk food consumption and screen time: Association with childhood adiposity. *American Journal of Health Behavior*, 37(3), 395.

Susan Conner (Provost) is participating in a conference, "Selling Sex in the City: Prostitution in World Cities, 1600 to the present," held in Amsterdam, April 24-28, and organized by the Huygens Institute for the History of The Netherlands, the International Institute of Social History, Vrije University, and Wageningen University and Research Center. Conner is a specialist on prostitution in Paris, particularly in the eighteenth century. She also recently conducted a substantive change visit for the Higher Learning Commission.

Amber Cook (Theatre) has costume designs in upcoming performances: **The Velveteen Rabbit** at Flint Youth Theatre, Flint, MI April 23-May 4; **Phase 1 of Theatre Machine: Dancer Toss** at Michigan State University- April 31- May 3-a long term grant funded collaboration using smart phone technology with collaboration between dance, art, communication arts, theatre, and engineering; **The King and I** and **The Gondoliers** at The Ohio Light Opera, Wooster, OH June 16-August 8; **A Funny Thing Happened on the Way to the Forum** at Black Hills Playhouse, Custer, South Dakota- July 4-21; and **James and the Giant Peach** at Flint Youth Theatre, Flint MI-July 26-August 11.

Christopher Hagerman (History) has a book being published this month with Palgrave MacMillan. It's entitled Britain's Imperial Muse: The Classics, Imperialism, and the Indian Empire, 1784-1914.

Deborah Kanter (History) has published an article "Faith and Family for Early Mexican Immigrants to Chicago: the Diary of Elidia Barroso," in Diálogo, vol. 16:1 (Spring 2013), pp. 21-34.

Lisa Lewis (Chemistry) and **Ian MacInnes** (English) presented a poster entitled "Beyond E-Textbooks: Writing Mobile Webapps for the Liberal Arts" at the Educause 2013 Annual Conference last November. While at this conference, Ian and Lisa were interviewed for an article on mobile computing published in *Campus Technology*. The article was entitled "Strong Acids and Shakespeare Sonnets: Making Mobile Apps for Liberal Arts."

Lisa also participated in Engage 2013 and attended the 2013 SXSWedu conference in Austin, TX. She was one of 100 faculty nationwide invited by Cengage Learning to participate in this professional development conference on technology and education.

Judy Lockyer (English) will give a paper at the American Literature Association 2013 Conference in Boston on May 23. The paper, "Circumventing the Citizenry in Faulkner's *Intruder in the Dust*," is part of a session on Faulkner and Citizenship sponsored by the William Faulkner Society.

Darren Mason (Mathematics & Computer Science) has had the paper "Comparison of the deformation behavior of commercially pure titanium and Ti-5 Al-2.5 Sn (wt %) at 296 and 728K" accepted for publication in *Philosophical Magazine*. Darren's co-authors are H. Li, Y. Yang, T.R. Bieler, M.A. Crimp, and C.J. Boehlert of Michigan State University.

Kevin Metz's (Chemistry) paper, "Natural reducing agents for electroless nanoparticle deposition: Mild synthesis of metal/carbon nanostructured microspheres" written with Paul Duffy, Lyndsey .A. Reynolds, Stephanie E. Sanders, and Paula E. Colavita, was recently accepted for publication in *Journal of Materials Chemistry and Physics*. It is available online.

Kevin also presented a talk titled "Uptake and Impacts of Silver Nanoparticles on *Brassica rapa*: A Nonmajors Laboratory Experience" at the 245th national meeting of the American Chemical Society in New Orleans in March. He also co-authored 4 posters presented by students at the same meeting.

David Reimann (Mathematics & Computer Science) gave a talk entitled "Symmetry groups: The mathematical connection between patterns in Moorish architecture and the artwork of M.C. Escher artwork" at the Andrews University on March 31, 2013. This was jointly sponsored by the departments of Mathematics, Physics, and the School of Architecture, Art and Design.

David also gave the Albion Physics colloquium talk on April 5, 2013 entitled "Principles of x-ray computed tomography."

Kyle Shanton (Education) was selected for a 2013-2014 teaching/research award to Costa Rica by the Core Fulbright US Scholar Program & Council for International Exchange of Scholars for his project: New Englishes in the 21st Century and the Need for New EFL/ESL Pedagogies.

Thomas Wilch (Geological Sciences) co-authored a paper, titled "A 'lava-fed deltas: A new reference tool in paleoenvironmental studies" that was published in the April volume of the journal *Geology*.

Jeff Wilson (Psychological Science) gave a paper at the Tristate Conference on Animal Learning & Behavior, April 13 & 14, at the Ohio State University in Columbus, OH: "Earthworms in the Behavioral Lab - Rate of Lever-Pressing: Zero." Three students (Holly Paxton, Melissa Baguzis and Riley Coon) attended the conference with me.

Jeff was named one of the Top 25 Psychology Professors in Michigan, and **Suelyn Henke** (Education) was named one of the Top Education Professors in Michigan, by the web page OnlineSchoolsMichigan.com (for whatever it's worth...).

Nicolle Zellner (Physics) was a representative at the American Astronomical Society, 2013 Science, Engineering, and Technology Congressional Visit Day (March 11-13). She met with staffers of Michigan's congresspeople to talk about sustained federal funding for science and science education. Nicolle presented a poster at the 44th Lunar and Planetary Science Conference, The Woodlands, TX (March 18-22), *Compositions and Ages of Apollo 15 Lunar Impact and Volcanic Glasses: Next Results*, N. Zellner, M. Norman, F. Jourdan (2539.pdf). Nicolle was also featured in the *Albion Recorder*, Women in STEM series: "Nicolle Zellner: her job is out of this world"(March 21). Finally, she was an Invited Speaker at Northwestern Ohio Association for Women in Science meeting (March 30).