

ICC Minutes for Tuesday May 7, 2013

NHE 106, 9:00 a.m.

ICC Members:

AMP: Emiliano Ayala, Joan Berman, Jená Burges, Cindy Moyer, Jacob Ferdman, Scott Paynton, Brandon Schwab, Ronnie Swartz, Carol Telesky, Rick Zechman

CDC: Jeff Abell, Jodie Baker, Wes Bliven, Chris Harmon, Anne Paulet, Clint Rebik

Others: Elisabeth Harrington, Kerri Malloy, Ben Marschke, Mark Medrano, Ed Nuhfer

<u>Agenda Item</u>	<u>Issues Addressed/Actions Taken</u>
1. Approval of Minutes	1. Approved.
2. Presentation by Supplemental Instruction task force. (45 minutes)	2. Some discussion. Approve continuation of program.
<p>3. CDC Curriculum Proposals</p> <p>This is in Sharepoint OAA#12-229 Kinesiology –Internship in Kinesiology course description change. The current description in the catalog is inaccurate. A new description which reflects the current content of the class is provided. No change in classification or units.</p> <p>Recommend approve / Wes</p> <p>All Proposals below are in Nolij</p> <p>13-036: Environmental Science and Management New Course Proposal:</p> <p>The Environmental Sciences and Management Department in collaboration with CCAT proposes a new course, ENVS 212 (Herbalism), which has been previously offered as a special topics course with adequate enrollment, ENVS 480. This course has been offered (and will continue to be per its approval) on an every semester basis and merits its own course designation. The course is 1 credit hour credit/no credit course, which is taught entirely by CCAT volunteers (faculty members are assigned the role as instructor for grading purposes with no assignment of WTU). The syllabus demonstrates learning outcomes and how these will be achieved through hands-on instruction in the form of several outside of class projects. The course will meet 2 hours a week for 10 weeks, which maintains an excess of the 15-hour per semester in class time requirement. Additionally, the syllabus demonstrates several weekly projects and final projects that students are required to complete that are estimated to take at least 2 hours per week. These projects also demonstrate the required 30 hours per semester minimum outside class time for the number of units the course has. Additionally, it is requested by the ICC that the current course (ENVS 480 – Herbalism) is offered throughout the 2013/2014 academic year upon approval for Fall 2014, at which time it will become ENVS 212.</p> <p>Recommend Approval (Harmon)</p>	<p>3. Some discussion. All approved, except:</p> <p>13-036: NOT Approved</p> <p>13-150: NOT Approved. More difference between 410 and 510 required.</p> <p>Regarding:</p> <p>13-112: Approved pending the electronic examination of the additional proposal.</p>

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13-037: Environmental Science and Management New Course Proposal:

The Environmental Sciences and Management Department in collaboration with CCAT proposes a new course, ENVS 213 (Organic Gardening), which has been previously offered as a special topics course with adequate enrollment, ENVS 480. This course has been offered (and will continue to be per its approval) on an every semester basis and merits its own course designation. The course is 1 credit hour credit/no credit course, which is taught entirely by CCAT volunteers (faculty members are assigned the role as instructor for grading purposes with no assignment of WTU). The syllabus demonstrates learning outcomes and how these will be achieved through hands-on instruction in the form of several outside of class projects. The course will meet 2 hours a week for 10 weeks, which maintains an excess of the 15-hour per semester in class time requirement. Additionally, the syllabus demonstrates several weekly projects and final projects that students are required to complete that are estimated to take at least 2 hours per week. These projects also demonstrate the required 30 hours per semester minimum outside class time for the number of units the course has. Additionally, it is requested by the ICC that the current course (ENVS 480 – Organic Gardening) is offered throughout the 2013/2014 academic year upon approval for Fall 2014, at which time it will become ENVS 213.

Recommend Approval (Harmon)

13-038: Environmental Science and Management New Course Proposal:

The Environmental Sciences and Management Department in collaboration with CCAT proposes a new course, ENVS 214 (Eco-craft), which has been previously offered as a special topics course with adequate enrollment, ENVS 480. This course has been offered (and will continue to be per its approval) on an every semester basis and merits its own course designation. The course is 1 credit hour credit/no credit course, which is taught entirely by CCAT volunteers (faculty members are assigned the role as instructor for grading purposes with no assignment of WTU). The syllabus demonstrates learning outcomes and how these will be achieved through hands-on instruction in the

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form of several outside of class projects. The course will meet 2 hours a week for 10 weeks, which maintains an excess of the 15-hour per semester in class time requirement. Additionally, the syllabus demonstrates several weekly projects and final projects that students are required to complete that are estimated to take at least 2 hours per week. These projects also demonstrate the required 30 hours per semester minimum outside class time for the number of units the course has. Additionally, it is requested by the ICC that the current course (ENVS 480 – Eco-craft) is offered throughout the 2013/2014 academic year upon approval for Fall 2014, at which time it will become ENVS 214.

Recommend Approval (Harmon)

13-039: Environmental Science and Management New Course Proposal:

The Environmental Sciences and Management Department in collaboration with CCAT proposes a new course, ENVS 215 (Urban Homesteading), which has been previously offered as a special topics course with adequate enrollment, ENGR 280. This course has been offered (and will continue to be per its approval) on an every semester basis and merits its own course designation. The course is 1 credit hour credit/no credit course, which is taught entirely by CCAT volunteers (faculty members are assigned the role as instructor for grading purposes with no assignment of WTU). The syllabus demonstrates learning outcomes and how these will be achieved through hands-on instruction in the form of several outside of class projects. The course will meet 2 hours a week for 10 weeks, which maintains an excess of the 15-hour per semester in class time requirement. Additionally, the syllabus demonstrates several weekly projects and final projects that students are required to complete that are estimated to take at least 2 hours per week. These projects also demonstrate the required 30 hours per semester minimum outside class time for the number of units the course has. Additionally, it is requested by the ICC that the current course (ENVS 280 – Urban Homesteading) is offered throughout the 2013/2014 academic year upon approval for Fall 2014, at which time it will become ENVS 215.

Recommend Approval (Harmon)

13-040: Environmental Science and Management

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New Course Proposal:

The Environmental Sciences and Management Department in collaboration with CCAT proposes a new course, ENVS 216 (Green Building), which has been previously offered as a special topics course with adequate enrollment, ENGR 280. This course has been offered (and will continue to be per its approval) on an every semester basis and merits its own course designation. The course is 1 credit hour credit/no credit course, which is taught entirely by CCAT volunteers (faculty members are assigned the role as instructor for grading purposes with no assignment of WTU). The syllabus demonstrates learning outcomes and how these will be achieved through hands-on instruction in the form of several outside of class projects. The course will meet 2 hours a week for 8 weeks, which maintains an excess of the 15-hour per semester in class time requirement. Additionally, the syllabus demonstrates several weekly projects and final projects that students are required to complete that are estimated to take at least 2 hours per week. These projects also demonstrate the required 30 hours per semester minimum outside class time for the number of units the course has. Additionally, it is requested by the ICC that the current course (ENGR 280 – Green Building) is offered throughout the 2013/2014 academic year upon approval for Fall 2014, at which time it will become ENVS 216.

Recommend Approval (Harmon)

OAA#13-084 New course proposal – CHEM 128 – Introduction to Organic Chemistry

OAA#13-085 Program Change Fisheries Biology – Freshwater and Marine options

OAA#13-087 Program Change -- Wildlife - Conservation Biology and Applied Vertebrate Ecology options

Chemistry 128 [3 units]

The proposed course, Chemistry 128 Introduction to organic chemistry, is an organic chemistry course designed for natural resource majors. The current situation is that Fisheries (Freshwater and Marine options) and Wildlife (Conservation Biology and Applied Vertebrate Ecology options) take CHEM 107 Fundamental of Chemistry [4 units] and CHEM 328

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Brief Organic Chemistry [4 units]. CHEM 328 is designed for biology students. The course focuses on organic chemistry in the context of the biology major and is taught at a level and depth that is greater than required for the natural resource major. The proposed CHEM 128 class would present organic chemistry in the context of natural resources and with the appropriate level and depth of coverage.

Additionally, potential changes to the chemistry prerequisite sequence for CHEM 328 would place wildlife and fisheries majors at a disadvantage in CHEM 328. The proposed course eliminates this difficulty, presents organic chemistry in context of the natural resource major and reduces unit totals of these natural resource majors.

Previously natural resource majors took CHEM 105/CHEM 106 instead of CHEM107/CHEM 328 which was a better fit for their needs. When the nursing program was discontinued, chemistry 105/106 was cancelled. A new course CHEM 128 is proposed rather than reinstating 106 because the course will be in the context of natural resources and will not be a GE course.

The proposed course will make articulation with chemistry classes at community colleges less confusing because the proposed course has a number designating a lower division class (CHEM 128) rather than an upper division class CHEM 328.

Recommend approve / Wes

OAA#13-085 Program Change Fisheries Biology – Freshwater and Marine Options

OAA#13-084 New course proposal – CHEM 128 – Introduction to Organic Chemistry

Program Change Fisheries Biology – Freshwater and Marine Options

This program change proposes that Fisheries Biology (Freshwater and Marine options) require the newly proposed CHEM 128 instead of CHEM 328. Both departments involved, Fisheries and Chemistry, agree this proposed course is a better fit for the fisheries major (see the reasoning in the new course proposal OAA#13-084 which proposes CHEM 128)

Recommend approve / Wes

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OAA#13-087 Program Change Wildlife - Conservation Biology and Applied Vertebrate Ecology Options

OAA#13-084 New course proposal – CHEM 128 – Introduction to Organic Chemistry

Program Change Wildlife - Conservation Biology and Applied Vertebrate Ecology Options

This program change proposes that Wildlife (Conservation Biology and Applied Vertebrate Ecology Options) require the newly proposed CHEM 128 instead of CHEM 328. Both departments involved, Wildlife and Chemistry, agree this proposed course is a better fit for the Wildlife major (see the reasoning in the new course proposal OAA#13-084 which propose CHEM 128)
Recommend approve / Wes

OAA#13-110 and OAA#13-112 Oceanography Program changes

OAA#13-110 Oceanography Major satisfies GE upper division Area B

OAA#13-112 Reduction of units to comply with 120 unit cap

OAA#13-110 Oceanography Major satisfies GE upper division Area B

The upper division classes required for an oceanography degree satisfy the Area B Student Learning Outcomes (SLOs) and so should satisfy the Upper Division Area B requirement. The oceanography department proposal demonstrates the upper division curriculum covers the GE Area B SLOs and they have an assessment plan to verify the effectiveness of their courses in meeting these SLOs.

recommend approve / Wes

OAA#13-110 and OAA#13-112 Oceanography Program changes

OAA#13-110 Oceanography Major satisfies GE upper division Area B

OAA#13-112 Reduction of units to comply with 120 unit cap

OAA#13-112 Reduction of units to comply with 120 unit cap

The oceanography major has two different pathways

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which currently require:

Group 1: (MATH 109, MATH 110, MATH210, (STAT 108 or STAT 109), PHYX 109, PHYX 110

Group 2: (MATH 105, MATH 205 (STAT 108 or STAT 109), PHYX 106, PHYX 107 and one additional course in MATH, STAT or CS

In addition to satisfying the upper division Area B GE requirements with course work inside the major the oceanography department proposes:

- 1) Eliminating the statistics requirement for group 1 but retaining it for group 2.
- 2) Eliminating the additional course in MATH, STAT or CS areas for group 2
- 3) Changing number of electives from 10 to 11 for group 1 and from 10 to 13 for group 2

The proposal makes it clear that these changes will decrease student learning but that the changes listed have been carefully designed to “sacrifice the fewest learning objectives within the program.”

recommend approve/Wes

OAA#13-112 Chemistry (Biochemistry option) Program Change -- Major satisfies GE upper division Area B (needed to comply with 120 unit cap)

The upper division class work required to earn a Chemistry degree (Biochemistry option) satisfies the Area B Student Learning Outcomes (SLO) and so should satisfy the Upper Division Area B requirement. SLO 1 and SLO 2 are met in multiple classes and SLO3 (value systems and ethics) is covered in CHEM 341 Quantitative analysis. In particular, professional ethics and standards are developed in the context of the chemistry profession using real world examples so that the students clearly understand their professional responsibilities with regards to ethical behavior.

While the content satisfying the upper division GE Area B SLOs has always been included in the Biochemistry major, the need to assess the coverage of these SLOs has not been a necessity until now. To assess these SLOs the Chemistry department proposes starting with the Science Literacy Survey and adjusting the assessment plan as needed to insure the students are meeting the GE SLOs.

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Recommend approve /Wes

OAA#13-150 New Course OCN 510 Zooplankton Ecology

The proposed course OCN 510 (Zooplankton Ecology) would be dual level co-scheduled with the existing class OCN 410 (Zooplankton Ecology). OCN 510 would be a 4 unit course with 3 units overlapping with OCN 410 and the one addition unit coming from an extra weekly discussion section for OCN 510 students. Students would not be allowed to take OCN 510 if they had completed OCN 410.

The reasons for creating a dual graduate level course are to allow the class to be tailored to interests and level of preparation of graduate students, to allow graduate students to take the course without counting against the limited number of undergraduate classes they are allowed and to increase the number of 500 level marine science laboratory classes. Both Biological Sciences and Fisheries have indicated that the proposed course would be of value to their graduate students.

Increasing the number of graduate student s taking OCN 510/OCN 410 will allow the course to be more consistently offered which will allow both undergraduate and graduate students to be more likely to take the course in a timely manner. The extra 1 WTU for the discussion section is the main additional cost for this new course.

Recommend approve / Wes

13-119: Physics & Astronomy (Physics Emphasis) Program Change to Satisfy UD Area B GE Requirement and alleviate excess units past 120.

The Department of Physics & Astronomy requests to have their major program satisfy Upper Division Area B General Education (UDB GE) requirement. Upon completion of the major contract the UDB GE requirement will be fulfilled, which will reduce the total number of required units by 3 and alleviate the excess units past 120. Generally, Physics is confident the learner outcomes of UDB GE are more than satisfied in the completion of the Physics major contract. They have

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provided ample evidence for each learner outcome (summarized below) of UDB GE in the form of various courses (which are all required regardless of option) and their associated activities – syllabi are provided that support these claims. Additionally, students will be given the Science Literacy Surveys as pre and post-tests to assess if learner outcomes have been achieved.

Outcome B1: Students will be able to apply scientific concepts and theories to develop scientific explanations of natural phenomena.

PHYX 320 & PHYX 450

Outcome B2: Students will critically evaluate conclusions drawn from a particular set of observations or experiments

PHYX 320

Outcome B3: Students will discuss value systems and ethic associated with scientific endeavors

PHYX 485

In addition to the satisfaction of UD Area B GE, several other changes are proposed to the Physics & Astronomy (Physics Emphasis) major program to alleviate excess units past 120 units. These changes are summarized below.

Drop MATH 314 (partial differential equations, PDE): Basic PDE operations are covered in several aspects of the physics curriculum. Additionally, PHYX 340 (Mathematical & Computation in the Sciences) will be re-instated, which will cover material that is more useful for a Physics Major than mechanical brute force mathematics (i.e. PDEs). This will reduce total units by 3.

Add PHYX 340 (Mathematical & Computation in the Sciences): Per dropping MATH 314, PHYX 340 will be re-instated. Increases total units by 2.

Change PHYX 441, 442, & 443 to PHYX 441 & 442: Historically the 441-443 sequences was a 3 unit, 2 course sequence (i.e. 441 & 442); however, was changed to current three course sequence to make scheduling more facile. At the outset, this has made scheduling more difficult; therefore, the 2-course sequence is

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proposed to be re-instated. No change in units.

Overall, these changes will reduce the Physics (Physics emphasis) by 4 units, making the major program 118 units in total.

Recommend Approval (Harmon)

13-120: Physics & Astronomy (Astronomy Emphasis) Program Change to Satisfy UD Area B GE Requirement and alleviate excess units past 120.

The Department of Physics & Astronomy requests to have their major program satisfy Upper Division Area B General Education (UDB GE) requirement. Upon completion of the major contract the UDB GE requirement will be fulfilled, which will reduce the total number of required units by 3 and alleviate the excess units past 120. Generally, Physics is confident the learner outcomes of UDB GE are more than satisfied in the completion of the Physics major contract. They have provided ample evidence for each learner outcome (summarized below) of UDB GE in the form of various courses (which are all required regardless of option) and their associated activities – syllabi are provided that support these claims. Additionally, students will be given the Science Literacy Surveys as pre and post-tests to assess if learner outcomes have been achieved.

Outcome B1: Students will be able to apply scientific concepts and theories to develop scientific explanations of natural phenomena.

PHYX 320 & PHYX 450

Outcome B2: Students will critically evaluate conclusions drawn from a particular set of observations or experiments

PHYX 320

Outcome B3: Students will discuss value systems and ethic associated with scientific endeavors

PHYX 485

In addition to the satisfaction of UD Area B GE, several other changes are proposed to the Physics & Astronomy (Astronomy Emphasis) major program to

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<p>alleviate excess units past 120 units. These changes are summarized below.</p> <p>Drop MATH 314 (partial differential equations, PDE): Basic PDE operations are covered in several aspects of the physics curriculum. Additionally, PHYX 340 (Mathematical & Computation in the Sciences) will be re-instated, which will cover material that is more useful for a Physics Major than mechanical brute force mathematics (i.e. PDEs). This will reduce total units by 3.</p> <p>Add PHYX 340 (Mathematical & Computation in the Sciences): Per dropping MATH 314, PHYX 340 will be re-instated. Increases total units by 2.</p> <p>Change PHYX 441, 442, & 443 to PHYX 441 & 442: Historically the 441-443 sequences was a 3 unit, 2 course sequence (i.e. 441 & 442); however, was changed to current three course sequence to make scheduling more facile. At the outset, this has made scheduling more difficult; therefore, the 2-course sequence is proposed to be re-instated. No change in units.</p> <p>Drop GEOL 460 (Solid Earth Geophysics): This course has been offered once since the creation of the astronomy option 5 years ago. Students are introduced to planetary geophysics in PHYX 360 (Stars and Planets). This reduces total units by 3.</p> <p>Overall, these changes will reduce the Physics (Astronomy emphasis) by 7 units, making the major program 120 units in total.</p> <p>Recommend Approval (Harmon)</p>	
<p>4. AMP</p> <p>Draft Guidelines for Approving New Certificate Programs. (attached to the agenda email.)</p> <p>13-089: Proposal for an Area E First Year Experience Course (Note: this proposal is found in the "ICC Committee Inbox" in NoliJ. There are two documents in the folder. The one labeled "Gear 100" is the more recent version, and the one you should read.)</p> <p>FYE Course response letter response letter draft (attached to the agenda email).</p>	Approved.