



University Courses & Curricula Committee 2017-2018

January 24, 2018
 Talley Student Union 4140
 12:45pm-2:45pm

Call to Order 12:45pm

- Welcome from Chair Helmut Hergeth
- Remarks and Updates from OUCCAS/DASA
- Approval of UCCC January 10th 2018 Minutes
- Course and Curricular Business

New Business

Consent Agenda		
Action	Type	Notes
14PSEI- Engineering First Year- Paper Science & Engr Intended to 14PSEI-CHEI- Engineering First Year- Paper Science & Engr/ Chemical Engr intended	Minor	Changing title to include Chemical Engineering for recruiting purposes

College of Science			
Presenter	Reviewers	Action	Type
Robinson	Bruce, Cherry, Krause	BIO 416 Cancer Cell Biology	New Course
Robinson	Hessling, Kotek, Seracino	BIO 418 Cell Biology Research Lab	New Course
Robinson	Ferguson, Fath, Carlson Welch	GPH/ST 404 Epidemiology and Statistics in Global Public Health	New Course
Klesath	Trivedi, Rieder, Despain	MEA 493 Special Topics in MEAS	Revising: adding graded option, term offering
Klesath	Kuzenski, Orphanides, Griffin Hillis	Adding GPH/ST 404 to 6 elective lists: (17MBIOHS) (17GNBS) (17BIOSCHB) (17BIOSCEEC) (17BIOSCBS)(17ZOOBS)	Adding course to elective lists
Klesath	Peterson, Bruce, Krause	Minor Marine Science	New Minor

College of Agriculture and Life Sciences			
Presenter	Reviewers	Action	Type
Bruce	Robinson, Nadvi, Kotek	ANS 395 Animal Science Study Abroad	New Course
Trivedi	Klesath, Fath, Cherry	ARE 425 Contracts and Organizations in Agriculture	New Course

Discussion:

Notes:

- All linked course actions are viewable in CIM.
- To view actions, please click on the hyperlink. You may need to use your Unity ID to log in.
- If you experience issues logging in, please go to <https://next-catalog.ncsu.edu/courseadmin/> and type the course prefix and number into the search bar.

SLO = Student Learning Outcomes

University Courses and Curricula CommitteeJanuary 10, 2018
Talley Student Union 4140
Call to Order: 12:4 pm

Members Present: Chair Helmut Hergeth, Annie Carlson Welch, Elizabeth Fath, Andreas Orphanides, Megan Cherry, Kathleen Rieder, John Kuzenski, Scott Ferguson, Walter Robinson, Peter Hessling, Scott Despain, Wendy Krause, Rudi Seracino, Berkley Griffin Hillis, Shweta Trivedi, Erin Peterson, Richard Kotek

Members Absent: Chair Elect Marta Klesath, Jackie Bruce, Walter Robinson, Zeenat Nadvi, Edwin Lindsay

Guest: Lianne Cartee, Ebony Jones, Jason DeRousie

Ex-Officio Members Present: Lexi Hergeth, Li Marcus, Rebecca Swanson, Rebecca Stojancic, Charles Clift, Jordan Luzader, John Harrington

WELCOME AND INTRODUCTIONS

- **Remarks from Chair** - Welcomed the committee members introduced guests and long term proxies.
- **Fall UCCC Review presented by Lexi Hergeth**
- **Approval of the Minutes from November 29th 2017 – Approved Unanimously**
 - Discussion: Member John Kuzenski moved to approve. Minutes from the previous meeting were presented and approved without further discussion.

NEW BUSINESS

- **Consent Agenda -Approved Unanimously**
BIO 424, BIO 434, BIO 488, GPH 425, ISE 495, ST 361, ZO 317, ZO 350, ZO 402
Discussion: Member Scott Despain moved to approve.
- **GD 492 Special Topics in Graphic Design -Approved Pending**
Discussion: Member Kathleen Rieder presented the course. Member commented that the contact hours should be adjusted to 3 to equate to 3 credit hours. The presenter confirmed this should be adjusted. Motion to change the action to approved pending, members approved. Members voted to approve the action pending the adjustment of the contact hours.
- **COM 292 Language, Communication, and Culture -Approved Unanimously**
Discussion: Member Scott Despain presented the course.
- **ENG/AFS 248 Survey of African-American Literature –Approved Unanimously with Friendly Suggestions**
Discussion: Member Scott Despain presented the course. Member suggested including a participation rubric as the College of Humanities and Social Sciences has excellent examples of this. Member suggested the wording in the course objectives be changed to primary goals instead of immediate goals.
- **HI 217 Caribbean History –Approved Unanimously with Friendly Suggestions**
Discussion: Member Megan Cherry presented the course. Member suggested the inclusion of a statement that “standard rounding will apply”. Member asked if there is a required grading scale, Lexi Hergeth and Li Marcus responded that there is a commonly-used scale, but that grading scales can be adjusted by the instructor.
- **AEE 495 Special Topics in Agricultural and Extension Education -Approved Unanimously with Friendly Suggestions**
Discussion: Member Shweta Trivedi presented the course. Member suggested removing the GEP information from the syllabus to avoid confusion as the course is Special Topics and Special Topics courses with GEP attributes must fall under a GEP Special Topics shell. Member indicated that the course should indicate 16 weeks instead of 15 weeks.
- **New CSSC Prefix -Approved Unanimously**
Discussion: Member Shweta Trivedi presented the new prefix action. Member asked if this is part of a sequential

process and the presenter confirmed this is part of a sequential process.

- **MAE 420/(520) Dynamic Analysis of Human Movement** Approved Unanimously with Friendly Suggestion.
Discussion: Member Rudi Seracino presented the course. Member suggested including a statement that “standard rounding will apply.”
- **Biomedical Engineering (BS) (14BMEBS)** Approved Unanimously
Discussion: Member Rudi Seracino presented the curricular action.
- **Engineering bundle –All Approved Unanimously**
Chemical Engineering (BS) (14CHEBS)
Chemical Engineering (BS) Biomanufacturing Sciences (14CHEBS-14CHEBMF)
Chemical Engineering (BS) Biomolecular (14CHEBS-14CHEBIO)
Chemical Engineering (BS) Honors Program (14CHEBS-14CHEHON)
Chemical Engineering (BS) Nanoscience (14CHEBS-14CHENAN)
Chemical Engineering (BS) & Textile Engineering (BS) (14CHEBS-14CHETE)
Chemical Engineering (BS) Sustainable Engineering, Energy & the Environment (14CHEBS-14CHESEE)
Civil Engineering (14CEBS)
Computer Engineering (BS) (14CPEBS)
Environmental Engineering (BS) (14ENEBS)
Electrical Engineering (BS) (14EEBS)
Industrial Engineering (BS) (14IEBS)
Materials Science & Engineering (BS) (14MSEBS)
Mechanical Engineering (BS) (14MEBS)
Nuclear Engineering (BS) (14NEBS)
Discussion: Member Scott Ferguson presented the curricular actions adding E 102 to the required course lists. Member asked if there were any actions from Engineering. Presenter confirmed a few curricula are not on the list, Member asked if having 18 hours in the second semester of the Freshman year. Presenter responded they would like to expose Freshman to Engineering courses within the first year. Guest Lianne Cartee indicated most students come in with AP credits from high school and will not actually take that number of hours. Member asked if a few stray highlights were from previous actions, Lexi Hergeth confirmed this highlighting is
- **FOR/NR 491 Special Topics in Forestry and Related Natural Resources** Approved Pending
Discussion: Member Scott Despain presented the course. Member asked about GEPs being referred to as GERs. The deliverables should include additional descriptions. Member indicated the syllabus is missing late work policies, and the PRRs that should be included. Members voted to change the motion to approved pending. Members approved the course pending the adjustment of GER to GEP, additional information in the deliverables, and the inclusion of the late work and PRRs.

Discussion: Bret Smith presented the Process Map for New and Modified courses. The process map will be interactive and link to FAQs and committee lists to provide further guidance and information. Dr. Smith explained in the past courses have bounced back and forth between UCCC and CUE, which delays the creation of a course where approval was recommended by UCCC. The process map reflects the current process with one adjustment – for those courses coming forward with the express purpose of adding it to a GEP list, the course would go first to CUE in order to allow CUE to offer feedback regarding whether the course as it is listed matches GEP objectives for the given category, after which the course will go to UCCC for verification that no substantive changes have been made (or that those changes are still in line with University expectations/policy). Member asked to see an example (ENG 248), CUE would see this course first as the changes are to the Student Learning Outcomes for the purposes of GEP, then the course would go to UCCC to approve the student learning outcomes as a university course. Member asked for clarification on the color lines, Li Marcus indicated she will change the color of the lines to show a continuation of the approval process. Depending on the workload of DASA groups in producing this interactive document, OUCCAS hopes to make this available in March and will start visiting college CCCs that want to hear about the map. A member asked if the prefix needs to be the same for a dual level course but they can be crosslisted. Li Marcus explained that a course can be crosslisted and dual level, however the prefix must match in the undergraduate and graduate levels.

Li Marcus reminded the committee about the interest surveys and illustrated how members can see if they are rolling off the committee. She also informed the committee about CIM training available in the college of textiles on January 26, 2018. She also reminded the committee we will be going to the Courseleaf conference and asked any members with suggestions or questions about CIM to email us before the end of February.

Meeting adjourned at 1:43 pm

Respectfully submitted by Lexi Hergeth

MEMORANDUM

November 15, 2017

To: Dean Michael Mullen
Division of Academic and Student Affairs

From: Med Byrd
Director of Undergraduate Programs, Paper Science & Engineering

Subject: Request to Change EFY Intended Code for Paper Science & Engineering



The Paper Science & Engineering (PSE) program would like to change the intended major code used for Engineering First Year (EFY) students in the following way:

From: 14PSEI -- Engineering First Year -- Paper Science & Engr Intended

To: 14PSEI-CHEI -- Engineering First Year -- Paper Science & Engr / Chemical Engr Intended

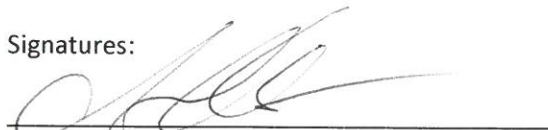
As an applied engineering program, PSE recruits students early, while they are being admitted to the College of Engineering. This is because we do many onboarding and development activities with new students during their first semester. Many of our recruits come from students who were first considering Chemical Engineering. Our challenge comes when the students (and their parents) are asked to change their intended major code to 14PSEI. They are concerned that they are giving away their opportunity to be admitted to Chemical Engineering. Although this is quite untrue, the perception does make it difficult for some students to commit to us.

To address this challenge, we are proposing to include the name of Chemical Engineering in our intended major code. Since almost all of our intended students have interest in pursuing the dual PSE-CHE degree, this change will have no effect on students who ultimately end up pursuing the PSE degree only, but it could have a very positive impact on our recruiting.

The attached message from Dr. Lisa Bullard shows that Chemical Engineering is in favor of this change.

Thank you for your consideration.

Signatures:



Department Head, Forest Biomaterials

Chair, CNR Academic Affairs Committee

Dean, College of Natural Resources

Re: Important issues with possible new PSE intended code

Subject: Re: Important issues with possible new PSE intended code
From: Lisa Bullard <lgbullard@ncsu.edu>
Date: 10/24/2017 1:28 PM
To: David Parish <dwwparish@ncsu.edu>
CC: Med Byrd <medbyrd@ncsu.edu>

I'm good with that!

Lisa

On Tue, Oct 24, 2017 at 1:26 PM, David Parish <dwwparish@ncsu.edu> wrote:
I like this Med. That sounds like a great option. How about we ask Lisa also.
Dave

On Mon, Oct 23, 2017 at 1:47 PM, Med Byrd <medbyrd@ncsu.edu> wrote:
Dave --

A while back, we talked about the possibility of establishing a new intended degree code that would show both PSE and CHE intent, which -- unlike most other programs -- is incredibly important for marketing to potential recruits, since we (from a procedural standpoint) recruit students directly into PSE.

As I was preparing a Format A document for the proposed new code, I discovered something that may make this either simpler or more complicated: the old PSEI code, as well as the new one established this summer, both show the dual degree pathway instead of the single degree pathway. I never knew this before! In other words, the current PSEI codes show the students taking MA 341 and CHE 225 in the fourth semester -- this is only required of the students who wish to pursue the dual degree. This is (I think) an error that I never detected before.

Remember, we get many of our new students by marketing to and recruiting students who originally intended to pursue CHE only -- so, for those students and their parents, seeing only "Engineering First Year -- Paper Science & Eng. Intent" on the degree makes them feel that we are diverting them away from CHE, despite our repeated explanations that this is patently untrue. So, have the term "Engineering First Year -- Paper Science & Eng. Intent / Chemical Eng. Intent" show instead could make a difference.

So, my proposal is this -- instead of establishing a new degree code (14PSEI-CHEI), could we rename the current PSEI code to reflect what it is actually showing (Engineering First Year -- Paper Science & Eng. Intent / Chemical Eng. Intent) ? It would not affect the students seeking the single PSE degree, because we would tell them that CHE is an option they may or may not choose to pursue.

Thoughts?

1. Statement of Justification

The proposed minor would offer students a formal opportunity to connect their major to coursework in marine science, especially. A Minor in Marine Science will engage majors from atmospheric sciences, engineering, the natural sciences, environmental science, natural resources, agriculture, resource economics, political science, education, and communication. Students interested in careers with government agencies, nonprofit organizations and private industry would benefit from recognition of their academic work in marine science. It would also provide preparation for students who want to pursue graduate or professional school in related disciplines such as environmental policy or law.

Our marine science faculty are considering revising the pre-requisites for some of our courses to create multiple pathways into courses, especially those that should attract natural resource and biology majors. However, those courses focused on physics of the ocean will continue to require quantitative skills that will likely limit interested students to those in meteorology, STEM education and engineering.

2. Statement of Academic Minor Program Objectives

Graduates with a Minor in Marine Science will be able to demonstrate knowledge of and quantitative skills in the structure, dynamics and basic processes of the ocean.

3. List of Courses Constituting the Proposed Minor

Required courses (7 credit hours):

MEA 200 Introduction to Oceanography

MEA 210 - Oceanography Lab

MEA 250 Introduction to Coastal Environments (pre-requisite MEA 200 & 210)

Minor Elective courses (9 credit hours):

MEA 220 - Marine Biology (pre-requisite MEA 200 or BIO 181)

MEA 251 - Introduction to Coastal Environments Laboratory (pre-requisite MEA 200 & MEA 210)

MEA 323 - Earth System Chemistry (pre-requisite CH 201 & any MEA course)

MEA 411 - Marine Sediment Transport (pre-requisite MA 241 + PY 205)

MEA 449 - Principles of Biological Oceanography

MEA 454 - Marine Physical-Biological Interactions (pre-requisite MEA 460 & MEA 449)

MEA 459 - Field Investigation of Coastal Processes (pre-requisite MEA 250)

MEA 460 - Principles of Physical Oceanography (pre-requisite MA 231 + PY 212)

MEA 462 - Observational Methods and Data Analysis in Marine Physics (pre-requisite MEA 460)

MEA 463 - Fluid Physics (pre-requisite MA 341 & PY 208)

MEA 464 - Ocean Circulation Systems (pre-requisite MEA 460)

MEA 467 - Marine Meteorology (pre-requisite MEA 460)

MEA 469 - Ecology of Coastal Resources (pre-requisite MEA 220 or MEA 449)

MEA 470 - Introduction to Geophysics (pre-requisite PY 212)

MEA 471 - Exploration and Engineering Geophysics (pre-requisite PY 211)

MEA 473 - Principles of Chemical Oceanography (pre-requisite CH 201)

MEA 476 - Worldwide River and Delta Systems: Their Evolution and Human Impacts (pre-requisite senior standing)

MEA 493 - Special Topics in MEAS*

MEA 570 - Geological Oceanography

*Enrollment in special topics courses should be approved by the minor coordinator in advance to ensure they are appropriate and relevant to the minor.

4. Catalog Description of Proposed Minor

The Department of Marine, Earth and Atmospheric Sciences offers a Minor in Marine Science to majors in any field except marine science or natural resources with a concentration in marine and coastal resources. The minor provides a means of recognition for students who desire a deeper understanding of the world's ocean.

5. Administration of the Minor (Contact information for Administrator of the Minor)

Dr. Carrie Thomas
Room 4136 Jordan Hall
919-515-7839
cjthomas@ncsu.edu

6. Requirements for Admission and Completion of the Minor

Students must have completed MEA 200 Introduction to Oceanography with a letter grade of C or better and have a GPA of 2.5 or above to be admitted into the minor.

For completion, students must complete MEA 200 Introduction to Oceanography (3 credits), MEA 210 Oceanography Lab (1 credit) and MEA 250 introduction to Coastal Environments (3 credits) and at least 9 additional credit hours from the list of minor elective courses. All course work must be letter-graded and completed with a C or better.

7. Statement on Other Departments Likely to be Affected and Summary of Consultations with those Departments

----- Forwarded message -----

From: Jay Levine <jflevine@ncsu.edu>

Date: Fri, Sep 15, 2017 at 9:22 AM

Subject: Marine science minor

To: Gerald LeBlanc <gal@ncsu.edu>, Paul Huffman <prhuffma@ncsu.edu>, Alina Chertock <acherto@ncsu.edu>, Len Stefanski <stefansk@ncsu.edu>, John Blondin <blondin@ncsu.edu>, Edmond Bowden <efbowden@ncsu.edu>

Dear Colleagues,

Attached is a proposal for the creation of a new departmental minor in Marine Science. The proposed minor will complement our existing minors in Geology and Meteorology without overlapping with curricula outside the department. Please provide any comments or questions to me by October 6, 2017.

Thank you,

Jay

----- Forwarded message -----

From: Jay Levine <jflevine@ncsu.edu>

Date: Mon, Oct 16, 2017 at 11:26 AM

Subject: Fwd: Marine science minor

To: Derek Aday <ddaday@ncsu.edu>, Chris Moorman <moorman@ncsu.edu>, Stith Gower <stgower@ncsu.edu>, Myron Floyd <mffloyd@ncsu.edu>, Marko Hakovirta <mjhakovi@ncsu.edu>

Dear Colleagues,

Attached is a proposal for the creation of a new departmental minor in Marine Science. The proposed minor will complement our existing minors in Geology and Meteorology without overlapping with curricula outside the department. Please provide any comments or questions to me by October 6, 2017.

Thank you,

Jay

Only one response:

Jay,

Several of our faculty members have reviewed the Marine Science minor. We see no overlaps or conflicts with our curricula. We have noted, however, that prerequisites will severely limit the number of electives available to most of our majors and, in fact, to most of the majors listed as possibly interested in the minor.

Dr. Gary B. Blank
Associate and Alumni Distinguished Undergraduate Professor
Director of Undergraduate Programs
Department of Forestry and Environmental Resources
Box 8008
North Carolina State University
Raleigh, North Carolina 27695-8008
919.515.7566
Office: 5229 Jordan Hall II

8. Optional: Projected Resources

No new resources are required for this minor. All courses are currently taught regularly within the department and have capacity for additional enrollment.