



OFFICE OF THE PRESIDENT

October 18, 2012

Dean Lisa J. Graumlich
College of the Environment
Box 355679

Dear Lisa:

Based on the recommendation of its Subcommittee on Admissions and Programs, the Faculty Council on Academic Standards has recommended approval of the revised program requirements for the Bachelor of Science degree in Oceanography. A copy of the change is attached.

I am writing to inform you that the School of Oceanography is authorized to specify these requirements beginning spring quarter 2013.

The new requirements should be incorporated in printed statements and in individual department websites as soon as possible. The *General Catalog* website will be updated accordingly by the Registrar's Office.

Sincerely yours,

A handwritten signature in black ink that reads "Michael K. Young".

Michael K. Young
President

Enclosure

cc: Dr. Susan Hautala (with enclosure)
Ms. Michelle Townsend (with enclosure)
Mr. Robert Corbett (with enclosure)
Dr. Deborah H. Wiegand (with enclosure)
Ms. Virjean Edwards (with enclosure OCEAN-20120919)



UNIVERSITY OF WASHINGTON
**CREATING AND CHANGING UNDERGRADUATE
 ACADEMIC PROGRAMS**

OCT 02 2012

After college/school/campus review, send a signed original and **1 copy** to the Curriculum Office/FCAS, Box 355850.
 For information about when and how to use this form: <http://depts.washington.edu/uwcr/1503instructions.pdf>

College/Campus Seattle	Department/Unit Oceanography	Date 9/19/12
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New Programs

Leading to a Bachelor of _____ in _____ degree.

Leading to a Bachelor of _____ degree with a major in _____.

Leading to a _____ Option within the existing major in _____.

Leading to a minor in _____.

Changes to Existing Programs

New Admission Requirements for the Major in _____ within the Bachelor of _____.

Revised Admission Requirements for the Major in _____ within the Bachelor of _____.

Revised Program Requirements for the Major in Oceanography within the Bachelor of Science.

Revised Requirements for the Option in _____ within the major in _____.

Revised Requirements for the Minor in _____.

Other Changes

Change name of program from _____ to _____.

New or Revised Continuation Policy for _____.

Eliminate program in _____.

Proposed Effective Date: **Quarter:** Autumn Winter Spring Summer **Year: 20 13**

Contact Person: **Susan Hautala** Phone: 30596 Email: hautala@uw.edu Box: 357940

EXPLANATION OF AND RATIONALE FOR PROPOSED CHANGE

For new program, please include any relevant supporting documentation such as student learning outcomes, projected enrollments, letters of support and departmental handouts. (Use additional pages if necessary).

Senior thesis sequence was formerly Ocean 443 (3, Win) and Ocean 444 (5, Spr) and is being extended in time. Ocean 443 (proposal) occurs Autumn of senior year. Formerly Ocean 444 (thesis and presentation) is renumbered to Ocean 445 and occurs in Spring. A new course, Ocean 444, contains 2 credits of the research itself (formerly a single student cruise that was part of the 5 credits of the Spring course), to allow multiple platforms and include other research types (e.g. laboratory, computer modeling) conducted with an individual science mentor. Program senior thesis requirements remain at 8 credits but are now Ocean 443 (3), Ocean 444 (2), Ocean 445 (3).

OTHER DEPARTMENTS AFFECTED

List all departments/units/ or co-accredited programs affected by your new program or changes to your existing program and acquire the signature of the chair/director of each department/unit listed. Attach additional page(s) if necessary. *See online instructions.

Department/Unit:	Chair/Program Director:	Date:
Department/Unit:	Chair/Program Director:	Date:

CATALOG COPY

Catalog Copy as currently written. Include only sections/paragraphs that would be changed if your request is approved. Please cross out or otherwise highlight any deletions.

Minimum 116 credits, to include the following:

1. Foundational Courses (55 credits): PHYS 121, PHYS 122, PHYS 123 (or PHYS 114, PHYS 115, PHYS 116); MATH 124, MATH 125, MATH 126 (or Q SCI 291, Q SCI 292, Q SCI 381); CHEM 142, CHEM 152 (or CHEM 144, CHEM 154); BIOL 180, BIOL 200; one of ESS 210, ESS 211, ESS 212 ; and BIOL 161-BIOL 162 or BIOL 180, BIOL 200, BIOL 220
2. OCEAN 200, OCEAN 201, OCEAN 210, OCEAN 220, OCEAN 400, OCEAN 410, OCEAN 420, OCEAN 430, OCEAN 443, OCEAN 444 (35 credits)
3. 400-level oceanography coursework selected in the student's area of specialization, in consultation with a faculty adviser (6 credits)
4. Upper-division science, mathematics, or engineering, selected in the student's area of specialization, in consultation with a faculty adviser (20 credits)
5. Minimum 2.0 grade in all required oceanography courses.

PROPOSED CATALOG COPY

Reflecting requested changes (Include exact wording as you wish it to be shown in the printed catalog. Please underline or otherwise highlight any additions. If needed, attach a separate, expanded version of the changes that might appear in department publications).
Please note: all copy will be edited to reflect uniform style in the General Catalog.

Minimum 116 credits, to include the following:

1. Foundational Courses (55 credits): PHYS 121, PHYS 122, PHYS 123 (or PHYS 114, PHYS 115, PHYS 116); MATH 124, MATH 125, MATH 126 (or Q SCI 291, Q SCI 292, Q SCI 381); CHEM 142, CHEM 152 (or CHEM 144, CHEM 154); BIOL 180, BIOL 200; one of ESS 210, ESS 211, ESS 212 ; and BIOL 161-BIOL 162 or BIOL 180, BIOL 200, BIOL 220
2. OCEAN 200, OCEAN 201, OCEAN 210, OCEAN 220, OCEAN 400, OCEAN 410, OCEAN 420, OCEAN 430, OCEAN 443, OCEAN 444, OCEAN 445 (35 credits)
3. 400-level oceanography coursework selected in the student's area of specialization, in consultation with a faculty adviser (6 credits)
4. Upper-division science, mathematics, or engineering, selected in the student's area of specialization, in consultation with a faculty adviser (20 credits)
5. Minimum 2.0 grade in all required oceanography courses.

APPROVALS

Chair/Program Director:



Date:

9/17/12

College/School/Campus Curriculum Committee:



Date:

9/28/12

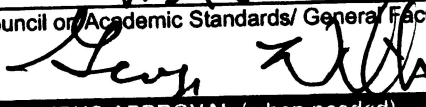
Dean/Vice Chancellor:



Date:

9/28/12

Faculty Council on Academic Standards/ General Faculty Organization/Faculty Assembly Chair:



Date:

10/12/2012

POST TRI-CAMPUS APPROVAL (when needed)

Faculty Council on Academic Standards/ General Faculty Organization/Faculty Assembly Chair:

Date:

Proposed Changes to Oceanography Senior Capstone/Thesis Courses

In response to a detailed examination of the current senior capstone/thesis sequence that included student and instructor feedback, the undergraduate academic affairs committee recommended a revision that (1) extends the time-frame of the research experience from two quarters to three, and (2) broadens it to allow for thesis projects that are not primarily based on fieldwork. Examples of such areas include analysis of satellite data and other remotely acquired data sets, design and construction of instrumentation, computer or laboratory modeling of oceanographic processes.

The capstone sequence will now consist of the following courses and will remain at 8 credits total.

Autumn Qtr, OCEAN 443 Undergraduate Thesis: Proposal (3) NW

Case histories, presentations, and class exercises used to teach methods of formulating a research problem and proposal writing. Methods of data analysis, presentation, error estimation, library resource and data base use; web page implementation and design. Principles of experiment design and planning. Prerequisite: OCEAN 400; OCEAN 410; OCEAN 420; OCEAN 430. Offered: Aut.

Winter Qtr, OCEAN 444 Undergraduate Thesis: Research (2) NW

Work closely with faculty mentors to conduct thesis research as designed in Ocean 443 in a field, laboratory, or other guided research setting. Prerequisite: OCEAN 443. Offered: W.

Spring Qtr, OCEAN 445 Undergraduate Thesis: Analysis and Writing (3) NW

Analyze results from Ocean 444 and present results in a series of drafts and a final paper. Results are presented at a two-day-long public research symposium and on the students' individual Web sites. Prerequisite: OCEAN 444. Offered: Sp.