**Ogden College of Science and Engineering**

**Office of the Dean**

**745-4449**

**REPORT TO THE UNIVERSITY CURRICULUM COMMITTEE**

Date: January 10, 2012

The Ogden College of Science and Engineering submits the following action items for consideration:

1. New Business

|  |  |
| --- | --- |
| **Type of item** | **Description of Item & Contact Information** |
| Action | **Make Multiple Revisions to a Course**BIOL 369, Cooperative Education in Biology IContact: Scott A. Grubbs, scott.grubbs@wku.edu, x55048 |
| Action | **Revise a Program**Ref. #518, Architectural ScienceContact: Laura Dotson, laura.dotson@wku.edu, x57083 |
| Action | **Revise a Program**Ref. #525, Major in Biology (without a minor)Contact: Scott A. Grubbs, scott.grubbs@wku.edu, x55048 |
| Action | **Revise a Program**Ref. #617, Major in Biology (with a minor)Contact: Scott A. Grubbs, scott.grubbs@wku.edu, x55048 |

Proposal Date: 7 September 2011

**Ogden College of Science and Engineering**

**Department of Biology**

**Proposal to Make Multiple Revisions to a Course**

**(Action Item)**

Contact Person: Scott A. Grubbs, scott.grubbs@wku.edu, 745-5048

**1. Identification of course:**

* 1. Current course prefix (subject area) and number: BIOL 369
	2. Course title: Cooperative Education in Biology I
	3. Credit hours: 3

**2. Revise course prerequisites:**

2.1 Current prerequisites: Sophomore or junior standing

2.2 Proposed prerequisites: BIOL 120/121 and BIOL 122/123 with a grade of “C” or higher and consent of instructor

2.3 Rationale for revision of course prerequisites: The existing prerequisites for BIOL 369, “Sophomore or junior standing”, does not specify that an undergraduate student should have at least freshman-level Biology majors coursework prior to enrolling in an upper division course. The sequence BIOL 120/121 and BIOL 122/123 is required for both Biology majors and the Biology minor prior to enrollment in all subsequent majors courses. This is a reasonable expectation for students wishing to enroll in BIOL 369. Moreover, the requirement of a minimum letter grade of “C” for both lecture-lab sequences is an additional means that the external co-op/internship entity receives a student who has performed at least adequately in the foundation courses.

2.4 Effect on completion of major/minor sequence: No effect

**3. Revise course catalog listing:**

3.1 Current course catalog listing: Practical out-of-classroom experience in a supervised work situation with a cooperating business, industry, or government agency, emphasizing application of knowledge and skills in specific areas of biology.

3.2 Proposed course catalog listing: Practical out-of-classroom experience in a supervised work or research environment with a cooperating business, industry, government agency or laboratory, emphasizing application of knowledge and skills in specific areas of biology.

3.3 Rationale for revision of course catalog listing: Internships can be designed as either academic (i.e., conducting research in a laboratory setting of a different institution or facility) or experiential (e.g., industry). The Biology Department simply wants to clarify that an internship can be performed at an external research laboratory or facility.

**4. Revise course credit hours:**

4.1 Current course credit hours: 3

4.2 Proposed course credit hours: 1–3

4.3 Rationale for revision of course credit hours: The proposed change allows students greater flexibility to participate in experiences of varying duration, projects, and with different entities.

**5. Proposed term for implementation:** Fall 2012

**6. Dates of prior committee approvals:**

Department of Biology: \_\_September 2, 2011\_\_

 OCSE Curriculum Committee: \_\_December 1, 2011\_\_

Undergraduate Curriculum Committee: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 University Senate: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Attachment: Course Inventory Form**

Proposal Date: 9/23/2011

**Ogden College of Science and Engineering**

**Department of Architecture & Manufacturing Sciences**

**Proposal to Revise A Program**

**(Action Item)**

Contact Person: Laura Dotson, laura.dotson@wku.edu, 745-7083

**1. Identification of program:**

* 1. Current program reference number: 518
	2. Current program title: Architectural Science
	3. Credit hours:83

**2. Identification of the proposed program changes:**

Remove the following courses from the major:

* AMS 120
* AMS 175
* 3 hours of Architectural electives

**3. Detailed program description:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| (Program Credit Hours) | 128 |   | 120 |  |
| ARCHITECTURAL SCIENCE (OLD) | 83 |  | 75 | ARCHITECTURAL SCIENCE (NEW)  |
| **Basic Electricity** | **AMS 120** | **3** |  |  |  |  |
| Intro to Occupational Safety | AMS 140 | 1 |  | 1 | AMS 140 | Intro to Occupational Safety |
| Architectural Graphics | AMS 151 | 3 |  | 3 | AMS 151 | Architectural Graphics |
| Architectural Drafting | AMS 163  | 3 |   | 3 | AMS 163  | Architectural Drafting |
| **University Experience/AMS** | **AMS 175** | **2** |  |  |  |  |
| 3D Modeling & Imaging | AMS 251 | 3 |   | 3 | AMS 251 | 3D Modeling & Imaging |
| Construction Methods & Materials | AMS 261 | 3 |  | 3 | AMS 261 | Construction Methods & Materials |
| Construction Methods & Materials Lab | AMS 262 | 1 |   | 1 | AMS 262 | Construction Methods & Materials Lab |
| Architecture Documentation I | AMS 263 | 3 |   | 3 | AMS 263 | Architecture Documentation I |
| Architectural Detailing | AMS 273 | 3 |   | 3 | AMS 273 | Architectural Detailing |
| Architectural Structures | AMS 282 | 3 |   | 3 | AMS 282 | Architectural Structures |
| Building Codes | AMS 305 | 3 |   | 3 | AMS 305 | Building Codes |
| Survey of Building Systems | AMS 325 | 3 |   | 3 | AMS 325 | Survey of Building Systems |
| Architecture Documentation II | AMS 363 | 3 |   | 3 | AMS 363 | Architecture Documentation II |
| Architectural Design Studio I | AMS 369 | 4 |   | 4 | AMS 369 | Architectural Design Studio I |
|  Quality Assurance | AMS 371 | 3 |   | 3 | AMS 371 |  Quality Assurance |
| Project Management | AMS 390 | 3 |   | 3 | AMS 390 | Project Management |
|  Internship I | AMS 398 | 1 |  | 1 | AMS 398 |  Internship I |
|  Tech Mgmt/ Supervision/Team Building | AMS 430 | 3 |   | 3 | AMS 430 |  Tech Mgmt/ Supervision/Team Building |
| Architectural Documentation III | AMS 463 | 3 |   | 3 | AMS 463 | Architectural Documentation III |
| Architectural Design Studio II | AMS 469 | 4 |   | 4 | AMS 469 | Architectural Design Studio II |
| Comprehensive Design | AMS 488 | 3 |   | 3 | AMS 488 | Comprehensive Design |
| Senior Research | AMS 490 | 3 |   | 3 | AMS 490 | Senior Research |
| Construction Mgmt. | CE 303 | 3 |   | 3 | CE 303 | Construction Mgmt. |
| Construction Mgmt. Lab | CE 304 | 1 |   | 1 | CE 304 | Construction Mgmt. Lab |
| Business Writing or | ENG 306 | 3 |   | 3 | ENG 306 | Business Writing or |
| Technical Writing | ENG 307 |   | ENG 307 | Technical Writing |
| **Architectural Sciences Electives - Advisor Approved** |  | **9** |  | **6** |  | **Architectural Sciences Electives - Advisor Approved** |
| Management Elective - Advisor Approved |   | 3 |   | 3 |   | Management Elective - Advisor Approved |
| GENERAL EDUCATION | 45 |   | 45 | GENERAL EDUCATION |
| Category A |   |  Category A |
| Freshman English | ENG 100 | 3 |   | 3 | ENG 100 | Freshman English |
| Junior English | ENG 300 | 3 |   | 3 | ENG 300 | Junior English |
| Foreign Language Elective | A II Elective | 3 |   | 3 | For. Lang. | Foreign Language Elective |
| Public Speaking Elective | COMM 145/161 | 3 |   | 3 | COMM 145/161 | Public Speaking Elective |
| Category B |   |  Category B |
| Introduction to Literature |  ENG 200 | 3 |   | 3 |  ENG 200 | Introduction to Literature |
| Architecture & Civilization | AMS 180 | 3 |   | 3 | AMS 180  | Architecture & Civilization |
| Elective |  B II Elective | 3 |   | 3 |  B II Elective | Elective |
| Category C |   |  Category C |
| Western Civilization | HIST 119 /120 | 3 |   | 3 | HIST 119/120 | Western Civilization |
| Principles of Econ (Micro) | ECON 202 | 3 |   | 3 | ECON 202 | Prindciples of Econ (Micro) |
| Elective | C Elective | 3 |   | 3 | C Elective | Elective |
| Category D |   |  Category D |
| Trigonometry | MATH 117 | 3 |   | 3 | MATH 117 | Trigonometry |
| College Physics I | PHYS 201 | 4 |   | 4 | PHYS 201 | College Physics I |
| Elective | D Elective | 3 |   | 3 | D Elective | Elective |
| Category E |   |  Category E |
| Elective | E Elective | 3 |   | 3 | E Elective | Elective |
| Category F |   |  Category F |
| Safety and First Aid | SFTY 171 | 1 |   | 1 | SFTY 171 | Safety and First Aid |
| Elective | F Elective | 1 |   | 1 | F Elective | Elective |

**4. Rationale for the proposed program change:**

These courses are being removed from the major to reduce the number of hours in the program to 120, in compliance with university guidelines.

**5. Proposed term for implementation and special provisions (if applicable):**

Fall 2012

**6. Dates of prior committee approvals:**

AMSDepartment/Division: 23 September 2011\_\_\_

 Ogden Curriculum Committee 01 December 2011\_\_\_\_

 Undergraduate Curriculum Committee \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 University Senate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Attachment: Program Inventory Form**

Proposal Date: 15 November 2011

**Ogden College of Science and Engineering**

**Department of Biology**

**Proposal to Revise a Program**

**(Action Item)**

Contact Person: Scott Grubbs, scott.grubbs@wku.edu, 745-5048

**1. Identification of program:**

* 1. Current program reference number: 525
	2. Current program title: Major in Biology (without a minor)
	3. Credit hours: 48.0

**2. Identification of the proposed program changes:**

* Elimination of BIOL 389 as an Biology elective option

**3. Detailed program description:**

|  |  |
| --- | --- |
| Current: | Proposed: |
| **Biology coursework**1. BIOL 120/121, plus
2. BIOL 122/123, plus
3. BIOL 222/223 or BIOL 224-225 or BIOL 226-227, plus
4. BIOL 319 & 322 or BIOL 327, plus
5. BIOL 315 or BIOL 430, plus
6. Additional 300- and 400-level majors-applicable BIOL courses to complete a minimum of 48 hours. Students may count up to 6 credit hours of BIOL 369, 389, or 399 and up to 4 credit hours of BIOL 485 toward this major.

**Supporting coursework**1. MATH 116 & 117 or MATH 118 or higher, plus
2. PHYS 231-232 or 255-256, plus
3. CHEM 120-121, plus
4. Two courses from the following list: AGRO 350 and AGRO 452 or AGRO 454 or AGRO 455/456 or AGRO 457/458, BIOL 283, CHEM 222-223, CHEM 314 or CHEM 340-341, CHEM 330, CIS 343, CIS 226 or CS 226 or CS 230, GEOG 317, GEOG 328, GEOG 416, GEOG 417, MATH 136, MATH 137, MATH 142, MATH 305, MATH 307, PHYS 332-233 or PHYS 265-266, SOCL 302.
 | **Biology coursework**1. BIOL 120/121, plus
2. BIOL 122/123, plus
3. BIOL 222/223 or BIOL 224-225 or BIOL 226-227, plus
4. BIOL 319 & 322 or BIOL 327, plus
5. BIOL 315 or BIOL 430, plus
6. Students select additional 300- and 400-level majors-applicable BIOL courses to complete a minimum of 48 hours. Students may count up to 6 credit hours of **a combination of BIOL 369 and/or 399** and up to 4 credit hours of BIOL 485 toward this major.

**Supporting coursework**1. MATH 116 & 117 or MATH 118 or higher, plus
2. PHYS 231-232 or 255-256, plus
3. CHEM 120-121, plus
4. Two courses from the following list: AGRO 350 and AGRO 452 or AGRO 454 or AGRO 455/456 or AGRO 457/458, BIOL 283, CHEM 222-223, CHEM 314 or CHEM 340-341, CHEM 330, CIS 343, CIS 226 or CS 226 or CS 230, GEOG 317, GEOG 328, GEOG 416, GEOG 417, MATH 136, MATH 137, MATH 142, MATH 305, MATH 307, PHYS 332-233 or PHYS 265-266, SOCL 302.
 |

**4. Rationale for the proposed program change:** BIOL 389 will be suspended indefinitely effective the Fall 2012 semester and will no longer be a Biology elective option.

**5. Proposed term for implementation and special provisions (if applicable):** Fall 2012

**6. Dates of prior committee approvals:**

Department of Biology: September 2, 2011

 OCSE Curriculum Committee: December 1, 2011

Professional Education Council: December 14, 2011

 Undergraduate Curriculum Committee: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 University Senate: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Attachment: Program Inventory Form**

Proposal Date: 15 November 2011

**Ogden College of Science and Engineering**

**Department of Biology**

**Proposal to Revise a Program**

**(Action Item)**

Contact Person: Scott Grubbs, scott.grubbs@wku.edu, 745-5048

**1. Identification of program:**

* 1. Current program reference number: 617
	2. Current program title: Major in Biology (with a minor)
	3. Credit hours: 36.0

**2. Identification of the proposed program changes:**

* Elimination of BIOL 389 as an Biology elective option

**3. Detailed program description:**

|  |  |
| --- | --- |
| Current: | Proposed: |
| **Biology coursework**1. BIOL 120/121, plus
2. BIOL 122/123, plus
3. BIOL 222/223 or BIOL 224-225 or BIOL 226-227, plus
4. BIOL 319 & 322 or BIOL 327, plus
5. BIOL 315 or BIOL 430, plus
6. Additional 300- and 400-level majors-applicable BIOL courses to complete a minimum of 48 hours. Students may count up to 3 credit hours of BIOL 369, 389, or 399 and up to 4 credit hours of BIOL 485 toward this major.

**Supporting coursework**1. MATH 116 & 117 or MATH 118 or higher, plus
2. PHYS 231-232 or 255-256, plus
3. CHEM 120-121, plus
4. Two courses from the following list: AGRO 350 and AGRO 452 or AGRO 454 or AGRO 455/456 or AGRO 457/458, BIOL 283, CHEM 222-223, CHEM 314 or CHEM 340-341, CHEM 330, CIS 343, CIS 226 or CS 226 or CS 230, GEOG 317, GEOG 328, GEOG 416, GEOG 417, MATH 136, MATH 137, MATH 142, MATH 305, MATH 307, PHYS 332-233 or PHYS 265-266, SOCL 302.
 | **Biology coursework**1. BIOL 120/121, plus
2. BIOL 122/123, plus
3. BIOL 222/223 or BIOL 224-225 or BIOL 226-227, plus
4. BIOL 319 & 322 or BIOL 327, plus
5. BIOL 315 or BIOL 430, plus
6. Students select additional 300- and 400-level majors-applicable BIOL courses to complete a minimum of 48 hours. Students may count up to 3 credit hours of **a combination of BIOL 369 and/or 399** and up to 4 credit hours of BIOL 485 toward this major.

**Supporting coursework**1. MATH 116 & 117 or MATH 118 or higher, plus
2. PHYS 231-232 or 255-256, plus
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**4. Rationale for the proposed program change:** BIOL 389 will be suspended indefinitely effective the Fall 2012 semester and will no longer be a Biology elective option.

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Department of Biology: September 2, 2011

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Professional Education Council: December 14, 2011

 Undergraduate Curriculum Committee: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 University Senate: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Attachment: Program Inventory Form**