**Ogden College of Science and Engineering**

**Office of the Dean**

**745-4449**

**REPORT TO THE UNIVERSITY CURRICULUM COMMITTEE**

Date: April 12, 2012

The Ogden College of Science and Engineering submits the following consent items for consideration at the April, 2012 UCC meeting.

1. New Business

|  |  |
| --- | --- |
| **Type of item** | **Description of Item & Contact Information** |
| Consent | **Suspend a Course**  BIOL 150, Investigative Biotechnology Core I  Contact: Scott Grubbs, [scott.grubbs@wku.edu](mailto:scott.grubbs@wku.edu), x55048 |
| Consent | **Suspend a Course**  BIOL 151, Investigative Biotechnology Core II  Contact: Scott Grubbs, [scott.grubbs@wku.edu](mailto:scott.grubbs@wku.edu), x55048 |
| Consent | **Suspend a Course**  BIOL 153, Investigative Biotechnology Module  Contact: Scott Grubbs, [scott.grubbs@wku.edu](mailto:scott.grubbs@wku.edu), x55048 |
| Consent | **Suspend a Course**  BIOL 415, Ecological Methods  Contact: Scott Grubbs, [scott.grubbs@wku.edu](mailto:scott.grubbs@wku.edu), x55048 |
| Consent | **Delete a Course**  MATH 175, University Experience-Mathematics  Contact: Nezam Iraniparast, [nezam.iraniparast@wku.edu](mailto:nezam.iraniparast@wku.edu), x56218 |
| Consent | **Delete a Course**  CS 249, Consulting Practicum in Computer Science  Contact: Zhonghang Xia, [zhonghang.xia@wku.edu](mailto:zhonghang.xia@wku.edu), x56459 |
| Consent | **Delete a Course**  CS 349, Consulting Practicum in Computer Science  Contact: Zhonghang Xia, [zhonghang.xia@wku.edu](mailto:zhonghang.xia@wku.edu), x56459 |
| Consent | **Reactivate a Suspended Course**  CS 299, Introduction to Research in Computer Science  Contact: Zhonghang Xia, [zhonghang.xia@wku.edu](mailto:zhonghang.xia@wku.edu), x56459 |
| Consent | **Reactivate a Suspended Course**  CS 406, Numerical Analysis II  Contact: Zhonghang Xia, [zhonghang.xia@wku.edu](mailto:zhonghang.xia@wku.edu), x56459 |
| Consent | **Revise Course Catalog Listing**  BIOL 275, Colloquia  Contact: Scott Grubbs, [scott.grubbs@wku.edu](mailto:scott.grubbs@wku.edu), x55048 |
| Consent | **Revise Course Catalog Listing**  CHEM 451, Lab Physical Chemistry I  Contact : Jeremy B. Maddox, [jeremy.maddox@wku.edu](mailto:jeremy.maddox@wku.edu), x58725 |
| Consent | **Revise Course Catalog Listing**  CHEM 452, Physical Chemistry II  Contact: Jeremy B. Maddox, [jeremy.maddox@wku.edu](mailto:jeremy.maddox@wku.edu), x58725 |
| Consent | **Revise Course Catalog Listing**  CHEM 453, Lab Physical Chemistry II  Contact: Jeremy B. Maddox, [jeremy.maddox@wku.edu](mailto:jeremy.maddox@wku.edu), x58725 |
| Consent | **Revise Course Prerequisites/Corequisites**  BIOL 312, Bioinformatics  Contact: Scott Grubbs, [scott.grubbs@wku.edu](mailto:scott.grubbs@wku.edu), x55048 |
| Consent | **Revise Course Prerequisites/Corequisites**  BIOL 348, Plant Taxonomy  Contact: Larry Alice, [Lawrence.alice@wku.edu](mailto:Lawrence.alice@wku.edu), x57029 |
| Consent | **Revise Course Prerequisites/Corequisites**  BIOL 407, Virology  Contact: Scott Grubbs, [scott.grubbs@wku.edu](mailto:scott.grubbs@wku.edu), x55048 |
| Consent | **Revise Course Prerequisites/Corequisites**  BIOL 490, Plants as Alternative Therapeutics  Contact: Scott Grubbs, [scott.grubbs@wku.edu](mailto:scott.grubbs@wku.edu), x55048 |
| Consent | **Revise Course Prerequisites/Corequisites**  BIOL 495, Molecular Genetics  Contact: Scott Grubbs, [scott.grubbs@wku.edu](mailto:scott.grubbs@wku.edu), x55048 |
| Consent | **Suspend a Program**  Ref. #714, Major, Investigative Biotechnology  Contact: Scott Grubbs, [scott.grubbs@wku.edu](mailto:scott.grubbs@wku.edu), x55048 |
| Consent | **Suspend a Program**  Ref. #399, Minor, Investigative Biotechnology  Contact: Scott Grubbs, [scott.grubbs@wku.edu](mailto:scott.grubbs@wku.edu), x55048 |

Proposal Date: 6 March 2012

**Ogden College of Science and Engineering**

**Department of Biology**

**Proposal to Suspend a Course**

**(Consent Item)**

Contact Person: Scott Grubbs, [scott.grubbs@wku.edu](mailto:scott.grubbs@wku.edu), 745-5048

**1. Identification of course:**

* 1. Current course prefix (subject area) and number: BIOL 150
  2. Course title: Investigative Biotechnology Core I
  3. Credit hours: 5

**2. Rationale for the course suspension:** The Investigative Biotechnology (IB; Reference Number 714) major was launched during the 2007-2008 AY. The IB major was essentially a reworking of the former Recombinant Genetics major in an attempt to stimulate interest in this academic program. BIOL 150 is a first-semester course required for all IB majors that was designed and offered as a series of five, three-week modules. The number of IB majors, however, has remained very low since its inception, and as a consequence, enrollment in BIOL 150 has only been nine (Fall 2007), eleven (Fall 2008) and six (Fall 2009) students. Beginning with the 2010-2011 AY the Biology Department stopped offering BIOL 150 and has no immediate plans to reoffer this course.

**3. Effect of course suspension on programs or other departments, if known:** The only program affected will be the Investigative Biotechnology major, which is simultaneously being suspended. This course is not required for any non-Biology academic program across the university.

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

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

Department of Biology: March 30, 2012

OCSE Curriculum Committee: April 5, 2012

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

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

**Attachment: Course Inventory Form**

 Proposal Date: 6 March 2012

**Ogden College of Science and Engineering**

**Department of Biology**

**Proposal to Suspend a Course**

**(Consent Item)**

Contact Person: Scott Grubbs, [scott.grubbs@wku.edu](mailto:scott.grubbs@wku.edu), 745-5048

**1. Identification of course:**

* 1. Current course prefix (subject area) and number: BIOL 151
  2. Course title: Investigative Biotechnology Core II
  3. Credit hours: 5

**2. Rationale for the course suspension:** The Investigative Biotechnology (IB; Reference Number 714) major was launched during the 2007-2008 AY. The IB major was essentially a reworking of the former Recombinant Genetics major in an attempt to stimulate interest in this academic program. BIOL 151 is a second-semester course required for all IB majors that was designed and offered as a series of five, three-week modules. The number of IB majors, however, has remained very low since its inception, and as a consequence, enrollment in BIOL 151 has only been nine (Fall 2007), six (Fall 2008) and five (Fall 2009) students. Beginning with the 2010-2011 AY the Biology Department stopped offering BIOL 151 and has no immediate plans to reoffer this course.

**3. Effect of course suspension on programs or other departments, if known:** The only program affected will be the Investigative Biotechnology major, which is simultaneously being suspended. This course is not required for any non-Biology academic program across the university.

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

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

Department of Biology: March 30, 2012

OCSE Curriculum Committee: April 5, 2012

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

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

**Attachment: Course Inventory Form**

Proposal Date: 6 March 2012

**Ogden College of Science and Engineering**

**Department of Biology**

**Proposal to Suspend a Course**

**(Consent Item)**

Contact Person: Scott Grubbs, [scott.grubbs@wku.edu](mailto:scott.grubbs@wku.edu), 745-5048

**1. Identification of course:**

* 1. Current course prefix (subject area) and number: BIOL 153
  2. Course title: Investigative Biotechnology Module
  3. Credit hours: 1

**2. Rationale for the course suspension:** The Investigative Biotechnology (IB; Reference Number 714) major was launched during the 2007-2008 AY. The IB major was essentially a reworking of the former Recombinant Genetic Technology major in an attempt to stimulate interest in this academic program. BIOL 153 is taught as individual, one-credit modules that correspond to the three-week units in BIOL 150 and BIOL 151. Because both BIOL 150 and BIOL 151 are being suspended, by default, BIOL 153 will simultaneously go into a suspended status.

**3. Effect of course suspension on programs or other departments, known:** The only program affected will be the Investigative Biotechnology major, which is simultaneously being suspended. This course is not required for any non-Biology academic program across the university

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

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

Department of Biology: March 30, 2012

OCSE Curriculum Committee: April 5, 2012

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

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

**Attachment: Course Inventory Form**

 Proposal Date: 6 March 2012

**Ogden College of Science and Engineering**

**Department of Biology**

**Proposal to Suspend a Course**

**(Consent Item)**

Contact Person: Scott Grubbs, [scott.grubbs@wku.edu](mailto:scott.grubbs@wku.edu), 745-5048

**1. Identification of course:**

* 1. Current course prefix (subject area) and number: BIOL 415
  2. Course title: Ecological Methods
  3. Credit hours: 3

**2. Rationale for the course suspension:** The Department of Biology has not offered BIOL 415 since the fall 2006 semester. This course is not a required element for any of the biology majors. We do not anticipate developing a program that will include or require this course.

**3. Effect of course suspension on programs or other departments, if known:** None. This course is not required for any academic program across the university.

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

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

Department of Biology: March 30, 2012

OCSE Curriculum Committee: April 5, 2012

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

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

**Attachment: Course Inventory Form**

Proposal Date: 2/27/2012

**Ogden College of Science and Engineering**

**Department of Mathematics and Computer Science**

**Proposal to Delete a Course**

**(Consent Item)**

Contact Person: Nezam Iraniparast, email: nezam.iraniparast@wku.edu, Phone: 56218

**1. Identification of course:**

* 1. Current course prefix (subject area) and number: MATH 175
  2. Course title: University Experience - Mathematics
  3. Credit hours: 2

**2. Rationale for the course deletion:** The course was designed to help freshmen and transfer students with fewer than 24 semester hours of credit learn about the math program, university resources and academic life in general. But, it has not been offered for 5 years. Since the course has lost its appeal and usage over time, the department has decided to delete it.

**3. Effect of course deletion on programs or other departments, if known:** None

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

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

Math and Computer Science Department: 3/16/2012

Ogden College Curriculum Committee 4/15/2012

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

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

**Attachment: Course Inventory Form**

Proposal Date: March 1, 2012

**Ogden College of Science and Engineering**

**Department of Mathematics and Computer Science**

**Proposal to Delete a Course**

**(Consent Item)**

Contact Person: Zhonghang Xia, [zhonghang.xia@wku.edu](mailto:zhonghang.xia@wku.edu), 745-6459

**1. Identification of course:**

* 1. Current course prefix (subject area) and number: CS 249
  2. Course title: Consulting practicum in computer science
  3. Credit hours: 1-2

**2. Rationale for the course deletion:**

This course has not been offered in many years, and the computer science faculty wishes

to remove it from its list of courses."

**3. Effect of course deletion on programs or other departments, if known:**

N/A

**4. Proposed term for implementation:**

Fall 2012

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

Department of Math and CS \_\_\_\_\_March 20, 2012

Ogden College Curriculum Committee \_\_\_\_\_April 5, 2012\_\_

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

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

**Attachment: Course Inventory Form**

Proposal Date: March 1, 2012

**Ogden College of Science and Engineering**

**Department of Mathematics and Computer Science**

**Proposal to Delete a Course**

**(Consent Item)**

Contact Person: Zhonghang Xia, [zhonghang.xia@wku.edu](mailto:zhonghang.xia@wku.edu), 745-6459

**1. Identification of course:**

* 1. Current course prefix (subject area) and number: CS 349
  2. Course title: Consulting practicum in computer science
  3. Credit hours: 1-2

**2. Rationale for the course deletion:**

This course has not been offered in many years, and the computer science faculty wishes

to remove it from its list of courses.

**3. Effect of course deletion on programs or other departments, if known:**

N/A

**4. Proposed term for implementation:**

Fall 2012

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

Department of Math and CS \_\_\_\_\_ March 20, 2012

Ogden College Curriculum Committee \_\_\_\_\_April 5, 2012\_\_\_

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

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

**Attachment: Course Inventory Form**

Proposal Date: March 1, 2012

**Ogden College of Science and Engineering**

**Department of Mathematics and Computer Science**

**Proposal to Reactivate a Suspended Course**

**(Consent Item)**

Contact Person: Zhonghang Xia, [zhonghang.xia@wku.edu](mailto:zhonghang.xia@wku.edu), 745-6459

**1. Identification of course:**

* 1. Current course prefix (subject area) and number: CS 299
  2. Course title: Introduction to research in computer science
  3. Credit hours: 3

**2. Rationale for the course reactivation:**

This course provides a research opportunity to undergraduates.

**3. Effect of course reactivation on programs or other departments, if known:**

None.

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

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

Math and CS Department \_\_\_\_\_\_March 20, 2012

Ogden College Curriculum Committee \_\_\_\_\_\_April 5, 2012\_\_

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

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

**Attachment: Course Inventory Form**

Proposal Date: March 1, 2012

**Ogden College of Science and Engineering**

**Department of Mathematics and Computer Science**

**Proposal to Reactivate a Suspended Course**

**(Consent Item)**

Contact Person: Zhonghang Xia, [zhonghang.xia@wku.edu](mailto:zhonghang.xia@wku.edu), 745-6459

**1. Identification of course:**

* 1. Current course prefix (subject area) and number: CS 406
  2. Course title: Numerical Analysis II
  3. Credit hours: 3

**2. Rationale for the course reactivation:**

This course is equivalent to MATH 406, which is currently offered in the mathematics

division. Reactivation of CS 406 gives computer science students an opportunity to

choose another elective course

**3. Effect of course reactivation on programs or other departments, if known:**

None.

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

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

Math and CS Department \_\_\_\_\_\_March 20, 2012

Ogden College Curriculum Committee \_\_\_\_\_\_April 5, 2012\_\_

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

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

**Attachment: Course Inventory Form**

Proposal Date: 6 March 2012

**Ogden College of Science and Engineering**

**Department of Biology**

**Proposal to Revise Course Catalog Listing**

**(Consent Item)**

Contact Person: Scott Grubbs, [scott.grubbs@wku.edu](mailto:scott.grubbs@wku.edu), 745-5048

**1. Identification of course:**

* 1. Course prefix (subject area) and number: BIOL 275
  2. Course title: Colloquia
  3. Credit hours: 1-3

**2. Current course catalog listing:** Issues of contemporary, historical or intellectual significance in Biology, often with ethical implications will be weighed and debated. May not be used to satisfy the general education requirement in natural sciences. May be repeated with a maximum of (3) counting for the Biology or Investigative Biotechnology major.

**3. Proposed course catalog listing:** Issues of contemporary, historical or intellectual significance in Biology, often with ethical implications will be weighed and debated. May not be used to satisfy the general education requirement in natural sciences. May be repeated with a maximum of (3) hours counting towards the Biology major or minor.

**4. Rationale for revision of the course catalog listing:** Because the Investigative Biotechnology major will go into suspended status, the latter portion of the catalog listing is no longer valid. The Biology Department also wishes to make this course available to a student minoring in Biology.

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

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

Department of Biology: March 30, 2012

OCSE Curriculum Committee: April 5, 2012

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

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

**Attachment: Course Inventory Form**

Proposal Date: 2/20/2012

**Ogden College of Science and Engineering**

**Department of Chemistry**

**Proposal to Revise Course Catalog Listing**

**(Consent Item)**

Contact Person: Jeremy B Maddox, [Jeremy.maddox@wku.edu](mailto:Jeremy.maddox@wku.edu), 5-8725

**1. Identification of course:**

* 1. Course prefix (subject area) and number: CHEM 451
  2. Course title: Lab Physical Chemistry I
  3. Credit hours: 2

**2. Current course catalog listing:**

A laboratory to accompany CHEM 450 and includes experiments on state of matter, surface phenomena, macromolecules, thermochemistry, thermodynamics and equilibria. Pre-lab lecture and laboratory meets four and one-half hours per week. (Course Fee)

**3. Proposed course catalog listing:**

A laboratory to accompany CHEM 450 that emphasizes the treatment and analysis of scientific data as well as formal scientific communication. Experiments may include measurements of thermochemical properties, phase and chemical equilibria, kinetic rates, spectroscopic properties, and supporting computational chemistry. Pre-lab lecture and laboratory meets 4.5 hours per week. (Course Fee)

**4. Rationale for revision of the course catalog listing:**

The primary rationale behind this change in the course catalog is to provide a more accurate description of the course content to the student body.

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

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

ChemistryDepartment/Division: \_\_\_\_3/23/12\_\_\_\_\_\_\_\_

OCSE Curriculum Committee \_\_\_\_4/06/12\_\_\_\_\_\_\_\_

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

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

**Attachment: Course Inventory Form**

Proposal Date: 2/20/2012

**Ogden College of Science and Engineering**

**Department of Chemistry**

**Proposal to Revise Course Catalog Listing**

**(Consent Item)**

Contact Person: Jeremy B Maddox, [Jeremy.maddox@wku.edu](mailto:Jeremy.maddox@wku.edu), 5-8725

**1. Identification of course:**

* 1. Course prefix (subject area) and number: CHEM 452
  2. Course title: Physical Chemistry II
  3. Credit hours: 3

**2. Current course catalog listing:**

A continuation of CHEM 450 including studies of kinetics, atomic and molecular structure, theory of chemical bonding, electromotive force and selected topics.

**3. Proposed course catalog listing:**

A continuation of CHEM 450. Selected topics may include thermodynamics and equilibria, the kinetic theory of gases, transport properties, chemical kinetics, introductory quantum mechanics, spectroscopy, statistical thermodynamics, and interdisciplinary applications.

**4. Rationale for revision of the course catalog listing:**

The primary rationale behind this change in the course catalog is to provide a more detailed description of the course content to the student body, and to be consistent with the proposed changes for CHEM 450.

**5. Proposed term for implementation: Spring 2013**

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

ChemistryDepartment/Division: \_\_\_\_3/23/12\_\_\_\_\_\_\_\_

OCSE Curriculum Committee \_\_\_\_4/05/12\_\_\_\_\_\_\_\_

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

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

**Attachment: Course Inventory Form**

Proposal Date: 2/20/2012

**Ogden College of Science and Engineering**

**Department of Chemistry**

**Proposal to Revise Course Catalog Listing**

**(Consent Item)**

Contact Person: Jeremy B Maddox, [Jeremy.maddox@wku.edu](mailto:Jeremy.maddox@wku.edu), 5-8725

**1. Identification of course:**

* 1. Course prefix (subject area) and number: CHEM 453
  2. Course title: Lab Physical Chemistry II
  3. Credit hours: 2

**2. Current course catalog listing:**

A laboratory to accompany CHEM 452 and includes experiments on chemical kinetics, spectroscopy, molecular structure, electrochemistry and mass spectroscopy. Pre-lab lecture and laboratory meets four and one-half hours per week. (Course Fee)

**3. Proposed course catalog listing:**

A laboratory to accompany CHEM 452. Experiments may include measurements of thermochemical properties, phase and chemical equilibria, kinetic rates, spectroscopic properties, and supporting computational chemistry. Pre-lab lecture and laboratory meets 4.5 per week. (Course Fee)

**4. Rationale for revision of the course catalog listing:**

The primary rationale behind this change in the course catalog is to provide a more accurate description of the course content to the student body.

**5. Proposed term for implementation: Spring 2013**

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

Chemistry Department/Division: \_\_\_3/23/12\_\_\_\_\_\_\_\_\_

OCSE Curriculum Committee \_\_\_4/05/12\_\_\_\_\_\_\_\_\_

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

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

**Attachment: Course Inventory Form**

Proposal Date: 6 March 2012

**Ogden College of Science and Engineering**

**Department of Biology**

**Proposal to Revise Course Prerequisites/Corequisites**

**(Consent Item)**

Contact Person: Scott Grubbs, [scott.grubbs@wku.edu](mailto:scott.grubbs@wku.edu), 745-5048

**1. Identification of course:**

* 1. Course prefix (subject area) and number: BIOL 312
  2. Course title: Bioinformatics
  3. Credit hours: 3

**2. Current prerequisites/corequisites/special requirements:** BIOL 150 or 120-121 or 113, and BIOL 283 or MATH 183 or MATH 382 or STAT 301

**3. Proposed prerequisites/corequisites/special requirements:** BIOL 120-121 or 113, and BIOL 283 or MATH 183 or MATH 382 or STAT 301

**4. Rationale for the revision of prerequisites/corequisites/special requirements:** With BIOL 150 (Investigative Biotechnology Core I) moving to suspended status, this course will no longer be available as a prerequisite for BIOL 312.

**5. Effect on completion of major/minor sequence:** None

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

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

Department of Biology: March 30, 2012

Ogden College Curriculum Committee: April 5, 2012

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

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

**Attachment: Course Inventory Form**

Proposal Date: 12 March 2012

**Ogden College of Science & Engineering**

**Department of Biology**

**Proposal to Revise Course Prerequisites/Corequisites**

**(Consent Item)**

Contact Person: Larry Alice, lawrence.alice@wku.edu, 745-7029

**1. Identification of course:**

* 1. Course prefix (subject area) and number: BIOL 348
  2. Course title: Plant Taxonomy
  3. Credit hours: 4

**2. Current prerequisites/special:**

BIOL 120/121 and BIOL 122/123, or consent of instructor

**3. Proposed prerequisites/special requirements:**

BIOL 222/223 with grade of C or better; or permission of instructor

**4. Rationale for the revision of prerequisites/special requirements:**

During the past six years, about 60% of students enrolled in BIOL 348 have taken BIOL 222/223 (Plant Biology & Diversity). BIOL 222/223 is a full-semester lecture/lab course covering the biology, evolution and taxonomy of the major plant groups. The remaining 40% of students obtain only a small portion of this content taught in BIOL 122/123 (Biological Concepts: Evolution, Diversity, and Ecology), with a maximum of four hours lecture time and a single two-hour laboratory exercise. Consequently, the students who have not taken BIOL 222/223 are not suitably prepared. This creates a large divergence among students in their foundational knowledge of plants, with too much time spent teaching content that is covered in BIOL 222/223.

**5. Effect on completion of major/minor sequence:** None

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

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

Biology Department: March 30, 2012

OCSE Curriculum Committee: April 5, 2012

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

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

**Attachment: Course Inventory Form**

Proposal Date: 6 March 2012

**Ogden College of Science and Engineering**

**Department of Biology**

**Proposal to Revise Course Prerequisites/Corequisites**

**(Consent Item)**

Contact Person: Scott Grubbs, [scott.grubbs@wku.edu](mailto:scott.grubbs@wku.edu), 745-5048

**1. Identification of course:**

* 1. Course prefix (subject area) and number: BIOL 407
  2. Course title: Virology
  3. Credit hours:3

**2. Current prerequisites/corequisites/special requirements:** BIOL 150 or BIOL 319 and 322

**3. Proposed prerequisites/corequisites/special requirements:** BIOL 319 and 322

**4. Rationale for the revision of prerequisites/corequisites/special requirements:** With BIOL 150 (Investigative Biotechnology Core I) moving to suspended status, this course will no longer be available as a prerequisite for BIOL 312.

**5. Effect on completion of major/minor sequence:** None

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

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

Department of Biology: March 30, 2012

Ogden College Curriculum Committee: April 5, 2012

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

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

**Attachment: Course Inventory Form**

Proposal Date: 6 March 2012

**Ogden College of Science and Engineering**

**Department of Biology**

**Proposal to Revise Course Prerequisites/Corequisites**

**(Consent Item)**

Contact Person: Scott Grubbs, [scott.grubbs@wku.edu](mailto:scott.grubbs@wku.edu), 745-5048

**1. Identification of course:**

* 1. Course prefix (subject area) and number: BIOL 490
  2. Course title: Plants as Alternative Therapeutics
  3. Credit hours: 3

**2. Current prerequisites/corequisites/special requirements:** BIOL 120-121 and BIOL 122-123, or BIOL 150 and BIOL 151

**3. Proposed prerequisites/corequisites/special requirements:** BIOL 120-121 and BIOL 122-123

**4. Rationale for the revision of prerequisites/corequisites/special requirements:** With BIOL 150 (Investigative Biotechnology Core I) and BIOL 151 (Investigative Biotechnology Core II) both moving to suspended status, these courses will no longer be available as a prerequisites for BIOL 312.

**5. Effect on completion of major/minor sequence:** None

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

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

Department of Biology: March 30, 2012

Ogden College Curriculum Committee: April 5, 2012

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

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

**Attachment: Course Inventory Form**

Proposal Date: 6 March 2012

**Ogden College of Science and Engineering**

**Department of Biology**

**Proposal to Revise Course Prerequisites/Corequisites**

**(Consent Item)**

Contact Person: Scott Grubbs, [scott.grubbs@wku.edu](mailto:scott.grubbs@wku.edu), 745-5048

**1. Identification of course:**

* 1. Course prefix (subject area) and number: BIOL 495
  2. Course title: Molecular Genetics
  3. Credit hours: 3

**2. Current prerequisites/corequisites/special requirements:** BIOL 312 or BIOL 150 and BIOL 151

**3. Proposed prerequisites/corequisites/special requirements:** BIOL 312

**4. Rationale for the revision of prerequisites/corequisites/special requirements:** With BIOL 150 (Investigative Biotechnology Core I) and BIOL 151 (Investigative Biotechnology Core II) both moving to suspended status, these courses will no longer be available as a prerequisites for BIOL 495.

**5. Effect on completion of major/minor sequence:** None

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

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

Department of Biology: March 30, 2012

Ogden College Curriculum Committee: April 5, 2012

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

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

**Attachment: Course Inventory Form**

Proposal Date: 6 March 2012

**Ogden College of Science and Engineering**

**Department of Biology**

**Proposal to Suspend a Program**

**(Consent Item)**

Contact Person: Scott Grubbs, [scott.grubbs@wku.edu](mailto:scott.grubbs@wku.edu), 745-5048

**1. Identification of program:**

* 1. Program reference number: 714
  2. Program title: Major, Investigative Biotechnology
  3. Credit hours: 48

**2. Rationale for the program suspension:** The Investigative Biotechnology (IB; Reference Number 714) major commenced during the 2007-2008 AY. The new IB major was essentially a revised and renamed version of the previous Recombinant Genetics major that was launched during the mid-1980’s. Recombinant Genetics was a once-novel program for a comprehensive university, focusing mainly on the then- rapidly growing field of genetic engineering and molecular genetics.

The number of IB majors, however, has remained very low since its revised inception. Few students have graduated with an IB major (three total in four years), and only an additional 14 students are current IB majors. Moreover, beginning with the 2010-2011 AY the Biology Department stopped offering BIOL 150 (Investigative Biotechnology Core I) and BIOL 151 (Investigative Biotechnology Core II) due to low interest, the two principle core classes that serve as the prerequisites for the major. The Biology Department strongly feel that the two Biology majors, Program 617 (36-hour major, with a minor or second major) and Program 525 (48-hour major, without a minor), in addition to the Biochemistry major that is dually shared with the Chemistry Department, are sufficient to serve the whole of students entering WKU that are pursuing a degree in Biology.

**3. Effect on current students or other departments, if known:** None

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

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

Department of Biology: March 30, 2012

OCSE Curriculum Committee: April 5, 2012

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

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

**Attachment: Program Inventory Form**

Proposal Date: 6 March 2012

**Ogden College of Science and Engineering**

**Department of Biology**

**Proposal to Suspend a Program**

**(Consent Item)**

Contact Person: Scott Grubbs, [scott.grubbs@wku.edu](mailto:scott.grubbs@wku.edu), 745-5048

**1. Identification of program:**

* 1. Program reference number: 399
  2. Program title: Minor, Investigative Biotechnology
  3. Credit hours: 24

**2. Rationale for the program suspension:** The Investigative Biotechnology (IB; Reference Number 714) minor commenced during the 2007-2008 AY. The new IB minor was essentially a miniature version of the revised and renamed Recombinant Genetics major, IB major, that was launched during the mid-1980’s. Recombinant Genetics was a once-novel program for a comprehensive university, focusing mainly on the then- rapidly growing field of genetic engineering and molecular genetics.

The number of IB minors, however, has remained very low since its revised inception. There have been no IB minor graduates and there is presently only one student active. Moreover, beginning with the 2010-2011 AY the Biology Department stopped offering BIOL 150 (Investigative Biotechnology Core I) and BIOL 151 (Investigative Biotechnology Core II) due to low interest, the two principle core classes that serve as the prerequisites for the major. The Biology Department strongly feel that the Biology minor is sufficient.

**3. Effect on current students or other departments, if known:** None

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

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

Department of Biology: March 30, 2012

OCSE Curriculum Committee: April 5, 2012

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

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

**Attachment: Program Inventory Form**