Code # SM09 (2014)

**Program and/or Course Deletion Proposal-Bulletin Change Transmittal Form**

**Undergraduate Curriculum Council** - Print 1 copy for signatures and save 1 electronic copy.

**Graduate Council** - Print 1 copy for signatures and send 1 electronic copy to [pheath@astate.edu](mailto:pheath@astate.edu)

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| --- |
| **Program and/or Course Deletion**  Please complete the following and attach a copy of the catalogue page(s) showing what changes are necessary. |

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| --- | --- |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **Department Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **COPE Chair (if applicable)** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **Department Chair:** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **General Education Committee Chair (If applicable)** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **College Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Undergraduate Curriculum Council Chair** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **College Dean** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Graduate Curriculum Committee Chair** |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Vice Chancellor for Academic Affairs** |

**1. Program and/or Course Title, Prefix and Number**

Bulk deletion of courses that are no longer being offered.

BIO 1201 Human Anatomy Laboratory

BIO 1203 Human Anatomy

BIO 1211 Human Physiology Laboratory

BIO 1213 Human Physiology

BIO 4023 History of Bilogical (sic) Ideas

BIO 4111 Immunology Laboratory

BIO 4211 Human Genetics Laboratory

BIO 4223 Human Endocrinology

BIO 4313 Biospelology Life in Darkness

BIO 4353 Field Techniques Marine Mammals

BIO 4612 Legal Aspects of Environ Mgmt

BIO 4621 Environmental Microbiology Laboratory (Bulletin deletion)

BIO 4673 Intro to GIS

**2. Contact Person** (Name, Email Address, Phone Number)

David Gilmore, [dgilmore@astate.edu](mailto:dgilmore@astate.edu), 972-3263

**3. Last semester student can graduate with this degree and/or last semester course will be offered**

These courses have not been taught in at least 3 years and are not required for any degree program.

**4. Student Population**

a. The program and/or course was initially created for what student population?

Courses have varied histories, but most were created as electives for Biology students.

b. How will deletion of this program and/or course affect those students?

No effect.

**5.**

**a. How will this affect the department?**

None. Classes have not been taught,

**b. Does this program and/or course affect another department?**  No

**c. If yes, please provide contact information from the Dean, Department Head, and/ or Program Director whose area this affects.**

Enter text...

**6. (For courses only) Will another course be substituted?**  No

**If yes, what course?**

New faculty gradually propose new elective courses that don’t specifically replace those being deleted.

**From the most current electronic version of the bulletin, copy all bulletin pages that this proposal affects and paste it to the end of this proposal.**

**To copy from the bulletin:**

1. Minimize this form.
2. Go to <http://registrar.astate.edu/bulletin.htm> and choose either undergraduate or graduate.
3. This will take you to a list of the bulletins by year, please open the most current bulletin.
4. Find the page(s) you wish to copy, click on the “select” button and highlight the pages you want to copy.
5. Right-click on the highlighted area.
6. Click on “copy”.
7. Minimize the bulletin and maximize this page.
8. Right-click immediately below this area and choose “paste”.
9. For additions to the bulletin, please change font color and make the font size larger than the surrounding text. Make it noticeable.
10. For deletions, strike through the text, change the font color, and enlarge the font size. Make it noticeable.

Bulletin Excerpts provided:

**DEPARTMENT OF BIOLOGICAL SCIENCES**

**Biology (BIO)**

**BIO 1013. Making Connections Biology** Required course for first semester freshmen. Core content includes transition to college, academic performance skills, problem solving, critical thinking, self management, group building skills, and university policies. Content related to the departmental majors is also included. Fall.

**BIO 1201. Human Anatomy Laboratory** Study of the structure of the human body with empha­sis on the muscular, skeletal, nervous, and vascular systems. For Radiologic Technology Science majors only. Special course fees may apply. Two hours per week. It is recommended this course be taken concurrently with BIO 1203. Fall.

**BIO 1203. Human Anatomy** Study of the structure of the human body with emphasis on the muscular, skeletal, nervous, and vascular systems. For Radiologic Technology Science majors only. Three hours per week. Special course fees may apply. It is recommended this course be taken concurrently with BIO 1201. Fall.

**BIO 1211. Human Physiology Laboratory** Study of the function of the human body with em­phasis on the muscular, skeletal, nervous, respiratory and vascular systems. For Clinical Laboratory Science associate degree majors only. Two hours per week. Special course fees may apply. To be taken concurrently with BIO 1213. Spring.

**BIO 1213. Human Physiology** Study of the function of the human body with emphasis on the muscular, skeletal, nervous, respiratory and vascular systems. For Clinical Laboratory Sci­ence associate degree majors only. Three hours per week. Special course fees may apply. It is recommended that this course be taken concurrently with BIO 1211. Spring.

**BIO 1301. Biology of Animals Laboratory** Two hours per week. Special course fees may apply. It is recommended this lab be taken concurrently with BIO 1303. Fall, Spring, Summer, even. (ACTS#: BIO 1054)

**BIO 1303. Biology of Animals** Fundamentals of modern zoology and a survey of the phyla. Lecture three hours per week. Special course fees may apply. Fall, Spring, Summer, even. (ACTS#: BIOL

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**BIO 4612. Legal Aspects of Environmental Management** Policy, law and regulations relat­ing to society use, management and protection of natural resources. The course will present the differences and similarities between environmental regulation and previous social regulation, and examine the logic behind current regulatory programs. Special course fees may apply. Prereq­uisite, BIOL 1003 and BIOL 1001 or equivalent. Lecture two hours per week. Spring, even.

**BIO 4613. Conservation Biology** Study of global and local biological resources, including the diversity of life, the value of biodiversity, the importance of diversity to humans and human cultures, and interdisciplinary strategies to conserve biological resources. Lecture three hours per week. Special course fees may apply. Prerequisites, BIO 3023 or permission of instructor. Spring, odd.

**BIO 4621. Environmental Microbiology Laboratory** Laboratory and field investigation into the role of microbes in the environment. Two hours per week. To be taken concurrently with BIO 4623. Special course fees may apply. Spring, odd.

**BIO 4623. Environmental Microbiology** Study of the physiology and diversity of microorganisms and their role in cycling of nutrients and mineralization of pollutants in the world. Special course fees may apply. Prerequisites, CHEM 1023 and BIO 2013, or BIO 4104, or BIO 4133. Spring, odd.

**BIO 4633. Environmental Toxicology Mechanisms and Impacts** Understanding the basic principles behind the study of impacts and the mechanisms of physiological disturbances associ­ated with environmental toxicant exposure to natural systems. Prerequisites, BIO 4133 and BIO 4131, or CHEM 4243 or permission of instructor. Lecture three hours per week. Special course fees may apply. Fall, even.

**BIO 4641. Environmental Biology Laboratory** Field and laboratory exposure to ecological, economic and sociological aspects of management of water, soil and air resources. Content will vary based on current topics of importance in the field of environmental science. Laboratory three hours per week. Prerequisites, BIO 3023 or BIO 4373, BIO 4633 or permission of instructor. To be taken concurrently with BIO 4643. Special course fees may apply. Fall, odd.

**BIO 4643. Environmental Biology** Exposure to ecological, economic and sociological aspects of management of water, soil and air resources. Content will vary based on current topics of im­portance in the field of environmental biology. Lecture three hours per week. Special course fees may apply. Prerequisites, BIO 3023 or BIO 4373, BIO 4633, or permission of instructor. Fall, odd.

**BIO 4651. Wildlife Management Laboratory** Two hours per week. Special course fees may apply. To be taken concurrently with BIO 4653. Fall, even.

**BIO 4653. Wildlife Management** The ecology and management of wildlife species and their environment, with emphasis on fish, waterfowl, upland game birds, and mammals. Lecture three hours per week. Special course fees may apply. Prerequisites, BIO 1301 and BIO 1303. Fall, even.

**BIO 4661. Wildlife Management Investigational Techniques Laboratory** Three hours per week. Special course fees may apply. To be taken concurrently with BIO 4661. Spring, odd.

**BIO 4663. Wildlife Management Investigational Techniques** Identification of wildlife problems, project design, interpretation and construction of wildlife maps, food habit and census techniques, wildlife populations and habitat analyses, predictive population dynamics, and introduction to modeling and wildlife decision making procedures. Lecture three hours per week. Special course fees may apply. Prerequisites, BIO 1301 and BIO 1303. Spring, odd.

**BIO 4673. Instruction to GIS for Natural Resources** Introduction to the principles, theory, and practice of contemporary Geographic Information Systems for Natural Resources. Combination of lecture, reading, and computer based activity centered around natural resources will be used to provide background and understanding. Special course fees may apply. Prerequisites, BIO 3023 or consent of instructor. Fall.

**BIO 4704. Plant Systematics** A study of the systematics, nomenclature, morphology, and iden­tification terminology for vascular plants with an emphasis on dichotomous key-based identification of flowering plants of Arkansas. Special course fees may apply. Prerequisites, BIO 1501 and BIO 1503. Spring.