Course Syllabus

Department: Environmental Conservation

Date: October 12, 2012

I. Course Prefix and Number: CON 238

   Course Name: Black Bear Management II

   Credit Hours and Contact Hours: 2 credit hours and 2 contact hours

   Catalog Description including pre- and co-requisites: supporting data required for grade prerequisite of ‘C’ or higher. Course covers the research, natural history and management of black bears in North America with special emphasis on New York State. Students may have the opportunity to participate in hands on black bear management activities. Students who enroll in this course are expected to be able to devote several full weekdays to conduct field work over the course of the semester. An additional original project is undertaken by the class. Prerequisite: CON 237 Black Bear Management I or permission of the instructor.

   Relationship to Academic Programs and Curriculum including SUNY Gen Ed designation if applicable:

   This course may be used as an elective for any of the Conservation degrees or a general elective for other degrees.

II. Course Student Learning Outcomes: State the student learning outcome(s) for the course (e.g. Student will be able to identify…)

   Students will:

   1. List the major events in the life cycle of a black bear (departmental goal of professional competency)
   2. Conduct an original research project (critical thinking; mathematics; computer literacy)
   3. Present the findings of the original research project to the class with a written and oral component (oral communication)
   4. Demonstrate proper protocol, including safety and research considerations, at a bear den visit (ethics/values)
   5. List the factors relevant to reducing negative human-bear interactions (citizenship; critical thinking)
   6. Demonstrate the proper use of research gear including GPS, telemetry and measuring devices. (mathematics)
   7. List the factors that influence human perception of bears. (ethics/values)
College Learning Outcomes Addressed by the Course: (check each College Learning Outcome addressed by the Student Learning Outcomes)

☐ writing ☐ computer literacy
☒ oral communications ☒ ethics/values
☐ reading ☒ citizenship
☒ mathematics ☐ global concerns
☒ critical thinking ☐ information resources

III. Assessment Measures (Summarize how the college and student learning outcomes will be assessed): For each identified outcome checked, please provide the specific assessment measure.

<table>
<thead>
<tr>
<th>List identified College Learning Outcomes(s)</th>
<th>Specific assessment measure(s)</th>
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<tbody>
<tr>
<td>Oral Communication</td>
<td>Students give an oral presentation of the research project results in class</td>
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<tr>
<td>Mathematics</td>
<td>Students gather, record and analyze accurate data on cubs and bear dens; students gather, record and analyze accurate data in original research project</td>
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<tr>
<td>Critical Thinking</td>
<td>Students design and conduct original research project; students create well-reasoned arguments in relation to bear-human interactions</td>
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<tr>
<td>Ethics/Values</td>
<td>Students identify values in regards to human-bear interactions; students demonstrate proper ethical behavior during bear research</td>
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<tr>
<td>Citizenship</td>
<td>Students identify the actions that promote safety when living in bear habitat</td>
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IV. Instructional Materials and Methods

Types of Course Materials:

Journal articles, online resources, field equipment

Methods of Instruction (e.g. Lecture, Lab, Seminar …):

Lecture, field experiences, guest speakers, hands-on work with equipment, project based learning

V. General Outline of Topics Covered:

1. Hibernation and denning
2. Den visit research and safety protocols

3. Research equipment: tranquilizers, collars, GPS, GIS, telemetry, data collection

4. Project (original to the particular section)

5. Human-bear interactions

6. Human perceptions of bears

7. Bear den visit