

**The Ohio State University
Colleges of the Arts and Sciences New Course Request**

College of Biological Sciences

Academic Unit
Biological Sciences

Book 3 Listing (e.g., Portuguese)
500 Biological Roots in England

Number	Title	U	3
Biol Roots England			
18-Character Title Abbreviation		Level	Credit Hours
Summer	Autumn	Winter	XX Spring
Year 2007			

Proposed effective date, choose one quarter and put an "X" after it; and fill in the year. See the OAA curriculum manual for deadlines.

A. Course Offerings Bulletin Information

Follow the instructions in the OAA curriculum manual. If this is a course with decimal subdivisions, then use one New Course Request form for the generic information that will apply to all subdivisions; and use separate forms for each new decimal subdivision, including on each form the information that is unique to that subdivision. If the course offered is less than a quarter or a term, please complete the Flexibly Scheduled/Off Campus/Workshop Request form.

Description (*not to exceed 25 words*): A short-term study abroad course examining the history of biology in

England

Quarter offered: WI Distribution of class time/contact hours: 3 cl

Quarter and contact/class time hours information should be omitted from Book 3 publication (yes or no):

Prerequisite(s): 10 cr.hrs. of biological sciences

Exclusion or limiting clause:

Repeatable to a maximum of 0 credit hours.

Cross-listed with:

Grade Option (Please check): Letter S/U Progress What is course is last in the series? _____

Honors Statement: Yes No GEC: Yes No Admission Condition
Off-Campus: Yes No EM: Yes No Course: Yes No

Other General Course Information:

(e.g. "Taught in English." "Credit does not count toward BSBA degree.")

B. General Information

Subject Code _____ Subsidy Level (V, G, T, B, M, D, or P) _____

If you have questions, please email Jed Dickhaut at dickhaut.1@osu.edu.

1. Provide the rationale for proposing this course:

The course serves two purposes: to introduce students to the progress of biology historically and as a science, examining the context of discovery in biology; to bring the students to places in which those discoveries occurred in order to expand their cultural experience and understanding of biology

2. Please list Majors/Minors affected by the creation of this new course. Attach revisions of all affected programs.

This course is (check one): Required on major(s)/minor(s) A choice on major(s)/minors(s)
 An elective within major(s)/minor(s) A general elective:

3. Indicate the nature of the program adjustments, new funding, and/or withdrawals that make possible the implementation of this new course.
 A need for new resources is not expected.

4. Is the approval of this request contingent upon the approval of other course requests or curricular requests?
 Yes No List:

5. If this course is part of a sequence, list the number of the other course(s) in the sequence: _____

6. Expected section size: _____ Proposed number of sections per year: _____

7. Do you want prerequisites enforced electronically (see OAA manual for what can be enforced)? Yes No

8. This course has been discussed with and has the concurrence of the following academic units needing this course or with academic units having directly related interests (*List units and attach letters and/or forms*):
 Not Applicable

9. **Attach a course syllabus that includes a topical outline of the course, student learning outcomes and/or course objectives, off-campus field experience, methods of evaluation, and other items as stated in the OAA curriculum manual and e-mail to ascurofc@osu.edu.**

Approval Process The signatures on the lines in ALL CAPS (e.g. ACADEMIC UNIT) are required.

1. Academic Unit Undergraduate Studies Committee Chair Printed Name Date

2. Academic Unit Graduate Studies Committee Chair Printed Name Date

3. **ACADEMIC UNIT CHAIR/DIRECTOR** Printed Name Date

4. **After the Academic Unit Chair/Director signs the request, forward the form to the ASC Curriculum Office, 105 Brown Hall, 190 West 17th Ave. or fax it to 688-5678. Attach the syllabus and any supporting documentation in an e-mail to ascurofc@osu.edu. The ASC Curriculum Office will forward the request to the appropriate committee.**

5. **COLLEGE CURRICULUM COMMITTEE** Printed Name Date

6. **ARTS AND SCIENCES EXECUTIVE DEAN** Printed Name Date

7. Graduate School (if appropriate) Printed Name Date

8. University Honors Center (if appropriate) Printed Name Date

9. Office of International Education (if appropriate) Printed Name Date

10. **ACADEMIC AFFAIRS** Printed Name Date

Biological Sciences 500

Biological Roots in England

Biological roots in England is a short-term study abroad course intended to give honors students and scholars a deeper understanding of the context in which significant discovery in the biological sciences occurred and continues to occur. In addition, the students in this course will develop more fully their skills in research of documents and in oral presentation, and they will experience a different but comfortably accessible culture in London, southern England, and Wales as the class visits sites discussed during the quarter.

The class will meet on Thursday evening from 7:00 - 9:30 PM and will consist of presentations by the students. Each student will speak for 30 minutes on topics of their choice relevant to the history of biology. During the first class meeting, a list of possible topics will be presented to the students, from which they may choose. Topics suggested by the students and not on the list will be considered. The presentations must be delivered by PowerPoint and the presenters should discuss the historical facts of the topic, as well as the significance and relevance of the topic to our current understanding of biology. Sources of facts and images must be cited appropriately. The students are urged to seek the advice and coaching of the instructors as they prepare their presentations, and they are urged to coordinate with the other students who will present on the same evening. Open discussion will follow three or four presentations each evening.

Grading will be based on: 1) the quality of the presentation; students will receive a written evaluation of their presentation (50%), 2) participation in the open discussions (20%), 3) attendance (20%), and maintenance of a journal (10%). Each absence will incur the loss of 5-percentage points on the final grade. If a student is absent more than four times, that student will not be eligible for the out-of-country experience. Grades will be awarded based on the usual scale: 95% = A, 85% = B, etc.

Textbook: *The Epic History of Biology*, by Anthony Serafina; Perseus Publishing; ISBN 073820577X.

Suggested Topics:

1. The Royal Society
2. Voyages of Discovery: HMS Endeavour, HMS Challenger, HMS Beagle
3. People
 - a. Sir Isaac Newton, buried in Westminster Abbey
 - b. Robert Hooke
 - c. Robert Boyle, buried in St. Martin-in-the-Fields
 - d. Sir Charles Lyell, buried in Westminster Abbey

- e. Alfred Russell Wallace
 - f. Charles Darwin, buried in Westminster Abbey
 - g. Sir James Watson
 - h. Francis Crick
 - i. Rosalind Franklin
 - j. Historic Collectors
4. Institutions
- a. Kew Gardens
 - b. The Museum of Natural History
 - c. The British Museum
 - d. Down House, Charles Darwin's home
 - e. Cambridge University
 - f. Oxford University
5. Geology
- a. The cultural history of fossils
 - b. Cambrian
 - c. Ordovician
 - d. Silurian
 - e. Devonian

Students with Disabilities

Any student who feels s/he may need an accommodation based on the impact of a disability should contact Stetson privately to discuss your specific needs. Please contact the Office for Disability Services at 614-292-3307 in room 150 Pomerene Hall to coordinate reasonable accommodations. If you are registered with the Office of Disability Services, the staff will do everything in its power to support your efforts in and out of class.