

Graduate Seminar, BIOL 7900, Spring 2014 The Biology of Migration & Selected Topics

Schedule, Spring 2014			
Course	Name & Room	Days	Times
BIOL 7900	Graduate Seminar & Science Seminar attendance, Powell Hall Auditorium	R	4:00 pm-4:50 pm
	Class meeting time BSC Rm 2022 (Room has been changed)	R	5:00 pm-6:50 pm

Special Notes
<ul style="list-style-type: none"> ○ As part of the class, students must attend the Science Seminar unless pre-excused by me. ○ Two of the Science Seminar speakers are my guests, and I will be taking them out to dinner as follow, and you are welcome to joins us for dinner— <ul style="list-style-type: none"> ○ Dr. Noel Burkhead, US GS, 6 March 2014 ○ Dr. Susan Walls, US GS, 10 April 2014

Class members will develop two presentations and accompanying papers as flows:

- Paper and presentation #1 – Topics involving migration of cells, plants or animals. The intent of doing this is to develop in the student:
 - A good **broad understanding** of the biology of migration for each topic,
 - Factors controlling this unique and interesting behavior.
 - An appreciation for specific groups of organisms or cells that migrate.
 - Topics—no two students may select the same topic.
 - Cell migrations, within an organism (example—white blood cells) or as single celled organisms. Two possible papers by two students with each on different cell types. Movement of cells for a variety of reasons from one part of the body to another or single-celled species in a natural environment (Ex. paramecia).
 - Plant migrations—can be examined as a result of such things as climate change, past and present.
 - Zooplankton migrations—horizontal through oceans, lakes and streams or vertical in lake and marine environments.
 - Invertebrate migrations—focus on a general group of invertebrates such as shrimp, prawns, copepods, etc.
 - Fish migrations--
 - Amphibian migrations—breeding migrations are best to look at in this group.
 - Reptile migrations—breeding, feeding and hibernation behaviors are best to focus on here.
 - Bird migrations
 - Mammal migrations
 - Human paleo-migrations out of Africa and around the world

- **Paper and Presentation #2** – Students choice of topic with the following conditions—
 - May not be the same as your thesis research work.
 - Topic may not overlap that of another student in the class this semester.
 - Must send me an e-mail listing the topic with a brief basic outline no more than one page long by 1 February

Educational Outcomes and Standards: The requirements of this course meet Graduate Biology Educational Outcomes 1 and 2 as defined in the Graduate Catalog, and University Educational Outcome 5 (<http://www.valdosta.edu/academic/VSUGeneralEducationOutcomes.shtml>)

Guidelines and Directives For Papers

- Each paper should be 8-10 pages in length to include the literature cited.
 - Papers may be presented as **written or detailed outlines** as they relate to what will be presented verbally with each slide on the PowerPoint presentation as well as a description of the material on a slide. Example—map of east coast to include migration patterns of eels from the ocean to the rivers and back.
- Double spaced using a number 12 Calibri (body) font.
- Papers must be submitted electronically by e-mail by the date listed below.
- Each paper will be presented as a 20 minute oral presentation in PowerPoint followed by 5 minutes of questions.

Dates and Deadlines

Date	Information
30 January	Paper Number One—submit a list of 10-12 possible references via e-mail.
27 March	Paper Number Two—submit a list of 10-12 possible references via e-mail.
13 March	Paper Number One—submit the paper/outline of your presentation by e-mail.
3 April	Paper Number Two—submit the paper/outline of your presentation by e-mail.
14 March	Paper Number 1—presentations begin with 3 per night.
17 April	Paper Number 2—presentations begin with 3 per night.

Grades

Grades will be based on a percentage/letter system where 100-90=A, 89-80=B, etc. Each paper and presentation will be equal to ¼ of the final grade as follows:

$$(\text{Paper 1}) + (\text{Paper2}) + (\text{Presentation 1}) + (\text{Presentation 2}) = \text{Final Grade}$$

Academic Dishonesty and Plagiarism

Ppapers must be in your own words and written solely by you. All written materials will be examined for plagiarism. You may quote from publications, but must acknowledge your sources by citations and when quoting a paper, place the quotes in parentheses. For additional information go to the web site:

<http://www.valdosta.edu/academic/AcademicHonestyPoliciesandProcedures.shtml>

If an individual is caught plagiarizing, they will be given a grade of “F” for the course and a **formal complaint** filed with the office of the dean of students.

Office hours--The best times to see me are usually Tuesday and Thursday any time of day.

Bailey Science Complex – Office 2030, Research Lab 2050.

Phone 293-6063

E-mail dbechler@valdosta.edu