

BIOL 7030: Special Topics in Physiology
Summer May Semester 2013, Section A (CRN# 50989, 2 Credit hours, 2-0-2)
Department of Biology, College of Arts & Science, Valdosta State University

Lecture/Discussion (BC 2022): M T W R F

summaries to drive our discussion of the papers and the discussion leader will lead the charge.

Finally, each student will write a two page final paper in week 3 (**due May 30, 2013** by email or BlazeView; early papers also accepted) summarizing how the four papers relate to the categories and your own research. Each student will use their own paper summary and those of their peers to help guide their writing of the final paper. All proper citations and a works cited section must be included. Details are provided under *final paper* below.

Paper Summaries: Each of the 24 total papers (n=6 students X 4 papers) will require you read and provide a written paper summary before we meet to discuss. No late paper summaries will be accepted. Since paper summaries are worth 60% of the overall grade, each paper summary is worth 2.5% of your final grade. Grades will be posted in BlazeView by the instructor from the copy you hand in during our discussion to me.

Each paper summary will include a brief summary and you can use the following questions to guide your summary:

What is the basic premise of the research being presented by the authors?

What is the significance of the research the authors present (e.g. hypothesis driven, observational study, and implications toward conservation or cellular mechanism)?

What type of research do the authors present in both their materials and methods and results?

What do the authors claim the results of their research means (e.g. does it support their hypothesis or significance or paradigm shift in the field)?

Your opinion on how the results support their claims. Do the experiments (data) support their claims?

What types of experiments or future research are proposed by the authors (if applicable)?

How is the research the authors present related to your own research (if applicable)?

Finally, each student will provide at least two questions they encounter when writing the summary (at the end) that we can use in our discussions and that may be useful in your final paper.

Final Paper: Your final paper is a summary of the four primary research articles you presented in our discussions. Use your summary and those of your peers to direct your writing. Try to split your review into the two categories of physiology and compare them. Also include a closing paragraph relating the research papers to your own research or possible future research if not directly applicable. Make sure you use the standard citation style in your paragraphs and final bibliography. An example is provided below:

The SRY gene is expressed in the early gonad of mice leading to the determination of testis (Smith et al., 2008).

As an example, your citation in the bibliography would follow:

Smith JR, Ring BC, Whitener HM. 2009. The Sry gene is expressed in male mice gonads. *Sex Determination* 15(1): 123-130.

See the CSE citation style for more information: <http://library.osu.edu/help/research-strategies/cite-references/cse>

Academic Dishonesty (e.g. cheating or plagiarism): A student cheating or plagiarizing will be penalized by receiving a zero for the assignment and will be reported to the dean of students. Refer to the Student Code of Ethics in the VSU Student Handbook.

Privacy Act (FERPA): The Family Educational Rights and Privacy Act (FERPA) prohibit the public posting of grades by Social security number or in any manner personally identifiable to the individual student. No grades can be given by email or over the telephone, as positive identification cannot be made by this manner.

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