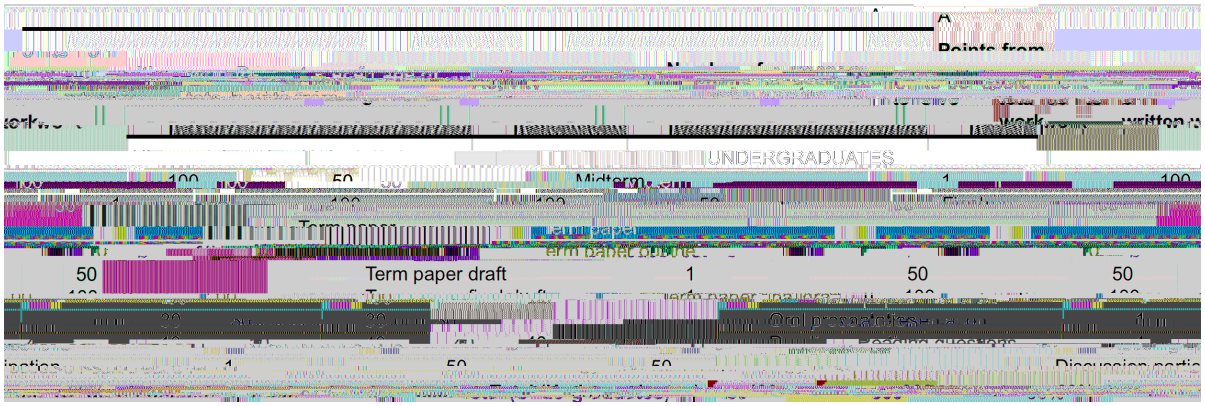
Student Learning Objectives

- Understand application of microbial processes to environmental remediation
- Appreciate contribution of microorganisms to geochemical cycling
- Become familiar with methods for studying microbes in the environment
- Develop skills in reading and criticism of primary scientific literature
- Develop literature research, writing and oral presentation skills

Course format: Lectures with supporting readings from textbooks and primary scientific literature will form the knowledge base of the course. Journal articles relevant to the current topic will be assigned for critical group discussion. Several individual conference times with instructor will also be held to discuss students' writing throughout the semester.

Assignments: The goals of these exercises are to help develop research, writing and oral presentation/teaching skills important to success in their postgraduate scientific careers.



Mary Beth Leigh 4/19/12 9:09 AM

Comment: See highlighted columns above. Note that written work constitutes 63% of points earned in the class. This takes into consideration that at least 50% of exam questions are written (short answer, essay), plus there are points from journal reading questions, and all components of the term paper.

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