

ABIO 105 Genetics and Society – Spring 2009

Credits :4

Text: Biology and Biotechnology; Krenzen and Massey; ASM Press

Meeting Times: MW 4:00-6:40 PM SBDG 200

Instructors: GW Smith (SBDG 203) & B Reinhart (SBDG 106), Office Hours by Appointment

Course goals: Genetics and Society is designed to introduce non-biology majors to science and the scientific method through the concepts of genetics. Basic genetic principles emphasizing human heredity and the relevance of recent advances in genetics will be considered. Three lecture and three laboratory hours per week. Topics included are Mendelian genetics; methods in molecular biology and applications; cell growth and differentiation; evolution and the Biotech Industry. This courses satisfies the General Education Laboratory Science requirement.

You will be expected to endorse the USCA HONOR PLEDGE on every assignment: 'On my honor as a University of South Carolina Aiken student, I have neither given nor received any unauthorized aid on this assignment/examination. To the best of my knowledge, I am not in violation of academic honesty'

Policy for Portable Electronic Devices: The use of any portable electronic devices, including cell phones, pagers, MP3 players, iPods, etc., during class is not allowed for any reason unless prior approval has been given to a student from the instructor or unless required for the course. If you are planning to have any of these devices in class, they must be turned off and stowed away for the duration of the class period.

Disability Statement: If you have a physical, psychological, and/or learning disability, which might affect your performance in class, please contact the Office of Disability Services, 126A B&E (803) 641-3609, as soon as possible. The Disability Services Office will determine appropriate accommodations based on medical documentation.

Schedule:

Date	Topic	Text Chapters	Instructor
1/12	Mendelian Genetics	1,2,11.12	Smith
1/14	same as above		Smith
1/19	MLK Day		
1/21	same as above		Reinhart
1/26	Molecular Genetics	3,4	Smith
1/28	same as above		Smith
2/2	same as above		Reinhart
2/4	same as above		Reinhart
2/9	Proteins	5,6	Smith
2/11	same as above		Reinhart
2/16	Cell growth and Development	9,10	Smith
2/18	same		Smith

2/23	same		Smith
2/25		Midterm Exam	
3/2	Evolution	13,14	Smith
3/04	same		Smith
3/9		Spring Break	
3/11		Spring Break	
3/16	Evolution	13,14	Smith
3/18	same		Smith
3/23	same		Smith
3/ 25		Test Evolution	Reinhart
3/30	Biotechnology	Part 3	Smith
4/1	same		Smith
4/6	same		Smith
4/8	same		Smith
4/13	same		Smith
4/15	same		Reinhart
4/20	same		Smith
4/22		Presentations	Reinhart
4/27		Presentations	Reinhart

Grading: Two major tests, presentation on Biotec Company and a final will determine final grade