

BIO 101-09 Winter 2005 Tentative Course Schedule, Instructor: Erica Smith

Date	Activity and Topic	Reading	Assignment Due
1/4 T	Life and The Scientific Method	Ch. 1	
1/6 Th	Organization of the Cell Chemistry of Life Lab 1: Bioinformatics	Ch. 4 Ch. 2-3 Hand-out	**Class Meets in IB 3409**
1/11 T	Chemistry of Life cont'd Lab 2: Microscopy and Cells	Ch. 2-3 Hand-out	Take-home Assignment #1
1/13 Th	Discussion: Stem Cells Chemistry of Life	Article Ch. 2-3	In-Class Reading Quiz Research Paper Topic
1/18 T	Cellular Energy Lab 3: Osmosis and Diffusion	Ch. 5-7 Hand-out	Take-home Assignment #2
1/20 Th	No Class		
1/25 T	Cellular Energy Discussion: Low-Carb Diets	Ch. 5-7 Article	Research Paper Outline and Refs In-Class Reading Quiz
1/27 Th	Mitosis and Meiosis, Inheritance Discussion: Cancer	Ch. 8-9 Article	Take-home Assignment #3 In-Class Reading Quiz
2/1 T	Inheritance Lab 4: Mitosis	Ch. 9 Hand-out	Take-home Assignment #4
2/3 Th	Inheritance Discussion: Cloning	Ch. 9 Article	In-Class Reading Quiz
2/8 T	Molecular Biology, Gene Regulation Lab 5: DNA Isolation	Ch. 10-11 Hand-out	Take-home Assignment #5 Research Paper Submission to Loft
2/10 Th	Gene Reg, Biotechnology Discussion: GMOs	Ch. 11-12 Article	Mid-term Evaluation In-Class Reading Quiz
2/15 T	Evolution Lab 6: DNA Fingerprinting	Ch. 13	Take-home Assignment #6
2/17 Th	Discussion: Antibiotic Resistance Biological Diversity	Article Ch. 14-15	In-Class Reading Quiz Research Paper Due for Peer Review
2/22 T	Biological Diversity cont'd Lab 7: DNA Fingerprinting	Ch. 14-15 Hand-out	Take-home Assignment #7
2/24 Th	Astrobiology Discussion: ET Life	Guest Article	Peer Reviews Due Back to Author In-Class Reading Quiz
3/1 T	Plants and Fungi Lab 8: Microinvertebrate Diversity	Ch. 16 Hand-out	Take-home Assignment #8
3/3 Th	Animals Discussion: Animal Behavior	Ch. 17 Article	Research Paper Editor Review (Final)
3/8 T	Ecology Lab 9: Wetland Ecology	Ch. 18 Hand-out	Take-home Assignment #9
3/10 Th	Ecosystems and Community Discussion: Local Ecosystems	Ch. 19 Article	In-Class Reading Quiz
3/15 T	Human Impact Discussion: Global Warming	Ch. 20 Article	Take-home Assignment #10 In-Class Reading Quiz
3/17 Th	Show and Tell (Field Trip Sharing)		<i>Course Evaluations</i>
3/22 T	No Final		

Key: Lecture topic and assignments (black), Laboratory (red), Discussion (blue), Research Paper (green)