

BIO 101 - GENERAL BIOLOGY I Fall 2018

Professor Cintas
703-845-6004
ncintas@nvcc.edu

Class meets: 436 Bisdorf, Tuesday and Thursday 11-12:15 pm

This is the tentative schedule for your course.

My office hours (mostly in AA 352): Monday 3-4pm

Tues 8-10 in 415, 10-11am, 2-4:30pm by appointment;

Wed 8-9:30am; Thurs 10-11am, 1:45-2:45pm

WEEK	DATE	TOPICS	Reading in Textbook	
			2 nd Edition	1 st if different
1	8/23	Course Intro, Themes of life, Taxonomy	Ch 1 p1-12	
2	8/28	Evolution and Natural Selection	Ch 19 p379-386	Ch19 p365-372
	8/30	Evolution and Natural Selection		
3	9/4	Food chains, Energy flow	Ch41 p875-6, ch42 p887-8	Ch41 p853-4, ch42 p865-6
	9/6	Test 1 (33.3 points)		
----- September 10 is the last day to drop and get a tuition refund -----				
4	9/11	Atomic structure, Chemical reactions	Ch2	
	9/13	Bonds, Properties of water, pH	Ch2	
5	9/18	Macromolecules, Biosynthesis	Ch3	
	9/20	Cell Theory, Cell structure, (Viruses)	Ch4, (17 p342-344)	
6	9/25	Test 2 (33.3 points)		
	9/27	Cytoskeleton, cell surface cell mini poster due	Ch4,5	
7	10/2	Membrane Transport, Bioenergetics and enzymes	Ch5,6	
	10/4	Respiration, Fermentation	Ch7	
8	10/9	no class meeting		
	10/11	Photosynthesis	Ch8	
9	10/16	catch up		
	10/18	DNA replication, Cell cycle and Mitosis	Ch13,9	
10	10/23	Midterm Exam (100 points) – covers material presented in weeks 1 to 8		
	10/25	Meiosis and Sexual reproduction	Ch10	
11	10/30	Introduction to Genetics and Mendel	Ch11	
	11/1	Pedigrees, Gene disorders, Blood typing	Ch 11	
----- Oct 31 is the last day to withdraw and get a “w” -----				
12	11/6	Test 3 (33.3 points)		
	11/8	Rh, Pleiotrophy, Polygenic inheritance	Ch11	
13	11/13	sex determination, X-linked genes, chromosomal disorders	Ch 12	
	11/15	DNA structure and rep review, genetic engineering	Ch 13	
14	11/20	Gene expression (protein synthesis)	Ch 14	
	11/22	no class meeting		
15	11/27	Test 4 (33.3 points)		
	11/29	Mutation, regulation of gene expression	Ch 14, Ch 15 p308-9	Ch 15 p298-9
16	12/4	Population genetics	Ch 21 p413-426	Ch 21 p399-412
	12/6	Early life	Ch 24 p474-477	Ch 24 p458-461
17	12/11	catch up, review		
	12/13	11:30am- 1:10pm Final Exam (100 pts.) covers material in weeks 9 to 16		

*Assigned reading is given at the beginning of the semester. All homework is assigned at the end of each of the lecture meetings. If you are not at the lecture, it is your responsibility to find out from another student what the homework is to be prepared for the next class meeting.