

VALDOSTA STATE UNIVERSITY

BIOLOGY 2260—FAL 2022

INSTRUCTOR: Dr. J.A. NIENOW
OFFICE: 2089 Bailey Science Center; 249 #844
Office hours:

ADDITIONAL LABORATORY GRADES Some of your lab work will be assessed and assigned points based on the quality of the work. In addition you will occasionally be asked to

SCHEDULE OF LECTURES AND LABS BIOLOGY 2260, Fall 2022

Note: Pacing and testing dates may be changed if the need arises. Attend class regularly.

WEEK 1		
8/15/22	LAB—Orientation; Lab safety; Lab safety quiz (on line) LAB— <i>Hand washing exercise</i>	pp. ix-xiv; supplement exercise 35
8/16/22	LECTURE—Introduction to microbiology DISEASE OF THE DAY—Rabies	pp. 1-58
8/17/22	LAB— <i>Brightfield microscopy: Animal parasites</i> LAB— <i>Setup Ubiquity of Bacteria and The Fungi: Yeasts & Molds</i>	exercise 2, supplement exercise 6, 7
8/18/22	LECTURE—Introduction to microbiology (continued) DISEASE OF THE DAY—Smallpox	pp. 1-58
WEEK 2		
8/22/22	LAB— <i>Complete Ubiquity of Bacteria and The Fungi: Yeasts & Molds</i> LAB— <i>More microscopy: Living protozoa, algae, cyanobacteria</i>	exercise 6, 7 exercise 5
8/23/22	LECTURE—Basic concepts in medical microbiology	

9/14/22	LAB—Complete <i>Effects of UV light</i> LAB— <i>Spore staining</i> LAB—Continue <i>Selective and differential media & Isolation of bacteria from natural foods (EMB agar)</i>	exercise 30 exercise 15 exercise 10; handout
9/15/22	LECTURE—Environmental influences on bacterial growth DISEASES OF THE DAY—Bacterial food poisonings	pp. 156-186
WEEK 6		
9/19/22	LAB—Continue <i>Selective and differential media & Isolation of bacteria from natural foods (Nutrient agar)</i>	

10 18 22	LECTURE—Bacterial Genetics DISEASE OF THE DAY—Influenza	pp. 225 244	
10 19 22	LAB—Complete <i>Staphylococcus</i> Experiment: Slide agglutination LAB—Setup Antimicrobial Sensitivity Testing	exercise 52 exercise 21	
10 20 22	LECTURE—Bacterial Genetics DISEASE OF THE DAY—Coronavirus Infections	pp. 225 244	
WEEK 1			
10 24 22	LAB—Complete Antimicrobial Sensitivity Testing LAB—Intro Prevalence of Antibiotic Resistance in the Environment (PARE) project	exercise 21 handout	
10 25 22	LECTURE—Host-microbe interactions and the disease process DISEASE OF THE DAY—Bacterial pneumonia	pp. 524 560	
[REDACTED]			
			pp. 428 482
			handout
			pp. 456 482
			handout

