

# VALDOSTA STATE UNIVERSITY

## BIOLOGY 2260—FAL 2022

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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 &amp; 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 &amp; 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 LAB— <i>Spore staining</i> LAB—Continue <i>Selective and differential media &amp; 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 &amp; 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. 524 660	
[REDACTED]			
			pp. 428 482
			handout
			pp. 456 482
			handout

