

VALDOSTA STATE UNIVERSITY

BIOLOGY 2260—Spring 2023

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SCHEDULE OF LECTURES AND LABS
BIOLOGY 2260, Spring 2023

WEEK 1

Hand-washing exercise

	<i>Effects of UV light</i> <i>Spore staining</i> <i>Selective and differential media &</i> <i>Isolation of bacteria from natural foods (EMB agar)</i>	
WEEK 6		
	<i>Selective and differential media &</i> <i>Isolation of bacteria from natural foods (Nutrient agar)</i> <i>Effectiveness of disinfectants</i>	
	<i>Selective and differential media &</i> <i>Isolation of bacteria from natural foods (Nutrient agar)</i> <i>Effectiveness of disinfectants</i> <i>Enumeration of virus particles</i>	
	UNIT EXAM II	
WEEK 7		
	<i>Enumeration of virus particles</i> <i>Identifications - Part I:</i> <i>Morphological Study of an Unknown Bacterium;</i> <i>Motility Determination; Cultural Characteristics</i>	

Identifications - Part I:
Morphological Study of an Unknown Bacterium;
Motility Determination; Cultural Characteristics
Identifications - Part II: Fermentations

	<i>RFLP-based fingerprinting (gel electrophoresis)</i>	
	<i>Staphylococcus Experiment: Streak onto DNA agar and Blood agar PCR-based analysis of unknown bacteria (gel electrophoresis)</i>	
WEEK 12		
	<i>Staphylococcus Experiment: Slide agglutination Antimicrobial Sensitivity Testing</i>	