MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE COURSE OUTLINE

DEPT. SURG	COURSE NUMBER: 1110
NUMBER OF CREDITS: 2	Lecture: 2 Lab: 0 OJT: 0
Course Title:	
Surgical Microbiology	
Catalog Description:	
Surgical Microbiology will enable you to recognize and promote wound healing. You will study the stream pathogenic microorganisms and their diseases along concept of standard precautions will be explored. I disinfection will be discussed. You will study the conjunction of the body's defenses against disease	ructure and function of microorganisms, ag with the methods of transmission. The Various methods of sterilization and wound healing process and classifications in
Prerequisites or Necessary Entry Skills/I	Knowledge:
None	
FULFILLS MN TRANSFER CURRICULA applicable) □ Goal 1: Communication: By meeting the following the following application: By meeting the following application: By meeting the following application:	ing competencies:
☐Goal 3: Natural Sciences: By meeting the follow	
Goal 4: Mathematics/Logical Reasoning: By med	
☐Goal 5: History and the Social and Behavioral Society competencies:	tiences: By meeting the following
\Box Goal 6: The Humanities and Fine Arts: By meeti	ng the following competencies:
\Box Goal 7: Human Diversity: By meeting the follow	
☐Goal 8: Global Perspective: By meeting the follo	
☐Goal 9: Ethical and Civic Responsibility: By mee	
☐Goal 10: People and the Environment: By meeting	
2	
Topics to be Covered	
Introduction to Microbiology	
Cell Structure	
Functions of Microorganisms	
Process of Infections	
Defense Mechanisms Wound Hooking	

Student Learning Outcome			
Discuss the historical background of microbiology and be able to identify basic equipment used			
to identify microorganisms.			
Differentiate among various basic microorganisms based on characteristics such as cellular			
structures, life cycle, mode of transmission, and diseases caused by those microorganisms.			
Describe the conditions that affect the life and death of microorganisms.			
Discuss the relationship between humans and pathogenic and non-pathogenic bacteria.			
Identify and describe how tissues react and are restored to normal function following trauma.			
Demonstrate knowledge of the stages of wound healing, complications of wound healing, and			
classification of wounds.			

Is this course part of a transfer pathway:	Yes	No	
*If yes, please list the competencies below			

Revised Date: 1/24/2022