SURG 1005
SYLLABUS

COURSE NAME: Microbiology for Surgical Technology
CREDIT HOURS: 2
INSTRUCTOR:
OFFICE: OFFICE HOURS: Posted
PHONE: EMAIL:
SECRETARY PHONE: 353-3708 EMAIL: Annette.starrett@nscc.edu

CATALOG COURSE DESCRIPTION:
An introduction to basic microbiology, immunology and disease processes with emphasis on antimicrobial techniques used in the operating room. Topics include historical microbiology, pathogenicity, the immune response, sterilization, and antiseptic and disinfection techniques, wound healing and wound classification.

ADDITIONAL COURSE DESCRIPTION:
This course is an introduction to microbial techniques and concepts. Emphasis is placed on applying these concepts in the operating room environment.

Topics include, but are not limited to:
- Historical background of microbiology
- An overview of microorganisms and the diseases they cause
- Infectious disease
- Disinfection and decontamination in the operating room
- Wound classification and wound healing
- Types of and parameters for sterilization of operating room instruments and equipment.

COURSE OUTCOMES:
- The student will differentiate among various basic microorganisms based on characteristics such as cellular structures, life cycle, mode of transmission, and diseases caused by those microorganisms.
- The student will demonstrate knowledge of common infectious diseases and to match those diseases with the microorganisms that cause them.
- The student will demonstrate knowledge of disinfection, sterilization, and decontamination agents and techniques used in health care.
- The student will demonstrate knowledge of the stages of wound healing, complications of wound healing, and classification of wounds.
- The student will demonstrate knowledge of basic historical background in microbiology by relating historical figures in microbiology to their achievements.
- The student will describe the immune response and describe the ways in which immunity may be induced.
- The student will describe ways in which disease is transmitted including ways in which that transmission may be interrupted and factors that influence transmission.
- The student will use general knowledge of microbial ecology to draw basic conclusions about a patient’s health.

This course is not intended for transfer credit.
TEXTS:
- Burton’s Microbiology for the Health Sciences, 9th ed.; Engelkirk Lippincott, Williams & Wilkins
- Infection Prevention in Surgical Settings; Gruendemann/Mangum; Saunders
  o ISBN 0721690351

Disclaimer: Textbooks frequently change editions, so please be sure to check with the school bookstore to verify the current ISBN of the textbook before purchasing the textbook.

OTHER SUPPLIES:

STUDENT HANDBOOK
- Students are responsible for obtaining, reading, and understanding the Nashville State Community College Student Handbook.
- If you have trouble locating a copy or understanding its contents, please see your instructor as soon as possible to avoid any misunderstandings.

NSCC LIVE!
NSCC Live! is a virtual desktop available to all students enrolled at Nashville State
- The following software is provided at no charge at NSCC Live!:
  o Microsoft Outlook—in NSCC Live! is Nashville State’s ‘official’ email for sharing information with enrolled students
  o All Microsoft software listed above is also available at NSCC Live!
  o 25 gigabytes of storage may be found in your ‘SkyDrive’
- To log into NSCC Live!:
  o Click on one of the MyNSCC links from the school homepage (www.nscc.edu)
  o Log into MyNSCC with your A# and PIN
  o Click the ‘Email’ link at the top right of the MyNSCC homepage

NS ONLINE
Students must log into the Web Shell (in NS Online) for this course frequently to:
- Communicate with the instructor and classmates
- Access material referred to in class
- Complete and submit assignments

To access NS Online:
- Click on one of the MyNSCC links from the school homepage (www.nscc.edu)
- Log into MyNSCC with your A# and PIN
- Click the ‘NS Online’ link at the top right of the MyNSCC homepage

REFERENCE MATERIALS:
- Alexander’s Care of the Patient in Surgery 13th ed.; Rothrock/Tinghe; Mosby
  o ISBN 0.323.03927.8 (Chapters Four and Nine)
- Surgical Technology for the Surgical Technologist 3rd ed; AST; Delmar
  o ISBN 1.4180.5168.3 (Chapters Seven and Eleven)

METHOD OF EVALUATION:
- Tests will consist of multiple choice, matching questions fill in the blank questions, practical knowledge, and will include diagrams to label.
- Assignments will be completed throughout the semester and will include in-class as well as take home assignments.
- The FINAL EXAM will be comprehensive, and completion of the final exam is required to receive a grade for this course.
MAKE-UP TESTS:
- Tests will be taken as a class at the time specified on the schedule unless other arrangements are made PRIOR TO the regularly scheduled time.
- If a student fails to take a test without making such arrangements, the score for that test will be recorded as ZERO.
- Makeup tests must be completed with 48 hours of original test unless exception is granted by the instructor.
- Any make-up test scheduled may require documentation for being absent on the regularly scheduled test day.

GRADING CRITERIA:

<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class Assignments</td>
<td>5%</td>
</tr>
<tr>
<td>Tests</td>
<td>75%</td>
</tr>
<tr>
<td>Comprehensive Final</td>
<td>20%</td>
</tr>
</tbody>
</table>

GRADING SCALE:

- 93-100 A
- 84-92 B
- 75-83 C*
- 66-74 D
- 65 and below F

*The class must be completed with a 75 or higher to count toward the Surgical Technology Program.

CHEATING:
Cheating includes, but is not limited to:
- The use of books, notes, or any materials containing test information during a test
- Exchanging information with another individual during a test
- Submitting someone else’s work as you own

**Failure to abide by these rules, even once, will result in dismissal from this course with a grade of F.**

ATTENDANCE:

- Arriving late to class THREE times will be counted as one absence.
- Absences in excess of two will be subject to receiving a failing grade for the course.

Failure to attend class will result in a final course grade of “FA” or “FN”
- FA – Failure – attendance related (last date of attendance required)
- FN – Failure – never attended class

Americans with Disabilities Act (ADA)

Nashville State Technical Community College complies with the American with Disabilities Act. If you wish to request any accommodation(s) for this class, please notify the instructor as soon as possible.

If you require special accommodations for this class, please contact the Disabilities Office at 353-3592.
ACADEMIC DISHONESTY

Any form of academic dishonesty, cheating, plagiarizing, or other academic misconduct is prohibited. "Plagiarism may result from: (1) failing to cite quotations and borrowed ideas, (2) failing to enclose borrowed language in quotation marks, and (3) failing to put summaries and paraphrases in your own words" (A Writer's Reference 331).

Academic dishonesty may be defined as, but is not limited to, intentionally trying to deceive by:

- claiming credit for the work of another person, using information from a web page or source without citing the reference
- fraudulently using someone else’s work on an exam, paper, or assignment
- recycling your own work from another course
- purchasing papers or materials from another source and presenting them as your own
- attempting to obtain exams/materials/assignments in advance of the date of administration by the instructor
- impersonating someone else in a testing situation
- providing confidential test information to someone else
- submitting the same assignment in two different classes without requesting both instructor’s permission
- allowing someone else to copy or use your work
- using someone else’s work to complete your own
- altering documents, transcripts or grades
- forging a faculty/staff member’s signature

In addition to other possible disciplinary sanctions that may be imposed through regular college procedures as a result of academic dishonesty, the instructor has the authority to assign an “F” or a “Zero” for the exercise, paper, or examination, or to assign an “F” for the course.
NASHVILLE STATE HAS A ZERO TOLERANCE POLICY FOR DISRUPTIVE CONDUCT IN THE CLASSROOM.

- The instructor has primary responsibility for control over classroom behavior and maintenance of academic integrity.

- He/she can order temporary removal or exclusion from the classroom of any student engaged in disruptive conduct, or conduct which violates the general rules and regulations of the College.

- Disruptive behavior in the classroom that obstructs or disrupts the learning environment is defined as:
  
  o Offensive language
  o Harassment of students or professors
  o Repeated outbursts from a student which disrupt the flow of instruction or prevent concentration on the subject taught
  o Failure to cooperate in maintaining classroom decorum
  o Continued use of any electronic or other noise or light emitting device which disturbs others;
    • Beepers
    • Cell phones
    • Palm pilots
    • Lap-top computers
    • Games

- Students who are removed from class for disruptive behavior will not be allowed to return until the issue is resolved.