

**NEOSHO COUNTY COMMUNITY COLLEGE  
MASTER COURSE SYLLABUS**

**COURSE IDENTIFICATION**

Course Code/Number:       SURG 204

Course Title:               Surgical Procedures II

Division:      Applied Science (AS)    Liberal Arts (LA)    Workforce Development (WD)  
                  Health Care (HC)    Lifetime Learning (LL)    Nursing    Developmental

Credit Hour(s): 5

Effective Date: Fall 2017

Assessment Goal Per Outcome: 80%

**COURSE DESCRIPTION**

This is a five credit hour theory course designed to introduce the student to surgical procedures and the anatomy involved in ophthalmic surgery, oral maxillofacial surgery, plastic and reconstructive surgery, peripheral vascular surgery, thoracic and pulmonary surgery, cardiac surgery, pediatric surgery and neurosurgery. Incorporating theory, laboratory and clinical practice, the student will learn to analyze, select and prepare instrumentation, equipment, and other supplies, for specific procedures within those specialties. Upon completion of this course the student will demonstrate understanding in the cognitive, psychomotor and affective learning domains related to principles and practice of surgical technology as outlined in the Core Curriculum for Surgical Technology, 6<sup>th</sup> Ed., as indicated by course exams, final exam and competency scores.

**MINIMUM REQUIREMENTS/PREREQUISITES AND/OR COREQUISITES**

Surgical Technology Program admission, as defined by admission policy. Successful completion of SURG 202 Surgical Procedures I and SURG 106 Surgical Technology Clinical I. Must be taken concurrently with SURG 206 Surgical Technology Clinical II.

**TEXTS**

The official list of textbooks and materials for this course is found on *myNeosho*.

## **GENERAL EDUCATION OUTCOMES**

- 1) Practice Responsible Citizenship through:
  - a) identifying rights and responsibilities of citizenship,
  - b) identifying how human values and perceptions affect and are affected by social diversity,
  - c) identifying and interpreting artistic expression.
- 2) Live a healthy lifestyle (physical, intellectual, social) through:
  - a) listing factors associated with a healthy lifestyle and lifetime fitness,
  - b) identifying the importance of lifetime learning,
  - c) demonstrating self-discipline, respect for others, and the ability to work collaboratively as a team.
- 3) Communicate effectively through:
  - a) developing effective written communication skills,
  - b) developing effective oral communication and listening skills.
- 4) Think analytically through:
  - a) utilizing quantitative information in problem solving,
  - b) utilizing the principles of systematic inquiry,
  - c) utilizing various information resources including technology for research and data collection.

## **COURSE OUTCOMES/COMPETENCIES (as Required)**

1. Upon completion of this course the student will demonstrate an understanding of ophthalmic surgery as it applies to the surgical technologist's role.
2. Upon completion of this course the student will demonstrate an understanding of oral and maxillofacial surgery as it applies to the surgical technologist's role.
3. Upon completion of this course the student will demonstrate an understanding of plastic and reconstructive surgery as it applies to the surgical technologist's role.
4. Upon completion of this course the student will demonstrate an understanding of peripheral vascular surgery as it applies to the surgical technologist's role.
5. Upon completion of this course the student will demonstrate an understanding of thoracic and pulmonary surgery as it applies to the surgical technologist's role.
6. Upon completion of this course the student will demonstrate an understanding of cardiac surgery as it applies to the surgical technologist's role.
7. Upon completion of this course the student will demonstrate an understanding of pediatric surgery as it applies to the surgical technologist's role.
8. Upon completion of this course the student will demonstrate an understanding of neurological surgery as it applies to the surgical technologist's role.

## **MINIMUM COURSE CONTENT**

The following topics must be included in this course. Additional topics may also be included.

- a) Ophthalmic Surgery
  - (a) Introduction
  - (b) Surgical anatomy
  - (c) Refraction
  - (d) Pathology of the eye
  - (e) Diagnostic testing
  - (f) Perioperative considerations
  - (g) Surgical techniques in eye surgery
  - (h) Surgical instrumentation
  - (i) Surgical procedures
  - (j) Positioning, skin preparation and draping
- ii) Oral and Maxillofacial Surgery
  - (a) Introduction
  - (b) Surgical anatomy
  - (c) Pathology of the midface and mandible
  - (d) Diagnostic procedures
  - (e) Equipment and instruments
  - (f) Positioning, skin preparation and draping
  - (g) Sponges and dressings
  - (h) Surgical procedures of the face
  - (i) Oral surgery
  - (j) Orthognathic procedures
  - (k) Perioperative considerations
- iii) Plastic and Reconstructive Surgery
  - (a) Introduction
  - (b) Surgical anatomy of the integumentary system
  - (c) Refraction
  - (d) Pathology of the skin and face
  - (e) Perioperative considerations
  - (f) Surgical techniques in plastic and reconstructive surgery
  - (g) Surgical procedures
  - (h) Positioning, skin preparation and draping
- iv) Peripheral Vascular Surgery
  - (a) Introduction
  - (b) Surgical anatomy of the circulatory system
  - (c) Pathology of blood
  - (d) Pathology of the peripheral vascular structures
    - 1. Fluid and hemodynamic disorders
  - (e) Diagnostic procedures
  - (f) Instruments
  - (g) Equipment and supplies
  - (h) Perioperative considerations
  - (i) Surgical techniques in vascular surgery

- (j) Surgical procedures
- (k) Positioning, skin preparation and draping
- v) Thoracic and Pulmonary Surgery
  - (a) Introduction
  - (b) Surgical anatomy of the respiratory system
  - (c) Pathology of the thoracic and pulmonary structures
    - 1. Fluid and hemodynamic disorders
  - (d) Diagnostic tests
  - (e) Perioperative considerations
  - (f) Surgical procedures
  - (g) Positioning, skin preparation and draping
- vi) Cardiac Surgery
  - (a) Introduction
  - (b) Surgical anatomy of the cardiovascular system
    - 1. Cardiac muscle
  - (c) Pathology of the heart
  - (d) Diagnostic procedures
  - (e) Perioperative considerations
  - (f) Surgical instrumentation and supplies
  - (g) Surgical procedures
  - (h) Positioning, skin preparation and draping
- vii) Pediatric Surgery
  - (a) Introduction
  - (b) Physical and anatomical considerations
  - (c) Pathology
  - (d) Anesthesia
  - (e) Psychosocial care of the pediatric patient
  - (f) Safety of the pediatric patient
  - (g) Surgical procedures
  - (h) Positioning, skin preparation and draping
- viii) Neurosurgery
  - (a) Introduction
  - (b) Surgical anatomy of the endocrine, sensory, nervous and skeletal systems
  - (c) Pathology of cranial, spinal (including skeletal) structures
  - (d) Diagnostic procedures
  - (e) Perioperative considerations
  - (f) Surgical instrumentation
  - (g) Cranial procedures
  - (h) Spinal procedures
  - (i) Neurosurgical pain management
  - (j) Peripheral nerve procedures
  - (k) Positioning, skin preparation and draping

## **STUDENT REQUIREMENTS AND METHOD OF EVALUATION**

### **STUDENT REQUIREMENTS**

- A. Grade weighting, if present, will be found on the syllabus supplement.
- B. Concurrent Policy--Theory (SURG 204) and clinical (SURG 206) are concurrent and must both be passed to progress in the program. If any of the concurrent courses are failed, the student cannot progress in the program. The lab and clinical components are graded as pass/not pass, the theory with a letter grade of C or higher.

A =	91 - 100% Superior
B =	83 - 90% Good
C =	76 - 82% Average
F =	0 - 75% Failure
I =	Incomplete
XF =	Failure due to academic dishonesty
W =	Withdrawal

Please see syllabus supplement for detailed breakdown of assignments and their weights.

### **ASSESSMENT OF STUDENT GAIN**

The purpose of assessing student learning at Neosho County Community College is to ensure the educational purposes of the institution are met and appropriate changes are made in program development and classroom instruction to allow for student success. The instructor(s) of this course will determine the methods of assessment most appropriate and complete an assessment report at the end of the course. Post assessment to determine gain in competency will be measured at the end of each unit of study. Evaluation of student performance is determined primarily from results of examinations, skills tests, homework, and lab work. Student attendance, participation and professional growth are also considered.

### **Attendance Policy**

- 1) NCCC values interactive learning which promotes student engagement in the learning process. To be actively engaged, the student must be present in the learning environment.
- 2) Unless students are participating in a school activity or are excused by the instructor, they are expected to attend class. If a student's absences exceed one-eighth of the total course duration, (which equates to one hundred (100) minutes per credit hour in a face-to-face class) the instructor has the right, but is not required, to withdraw a student from the course. Once the student has been dropped for excessive absences, the registrar's office will send a letter to the student, stating that he or she has been dropped. A student may petition the chief academic officer for reinstatement by submitting a letter stating valid reasons for the absences within one week of the

registrar's notification. If the student is reinstated into the class, the instructor and the registrar will be notified. Please refer to the Student Handbook/Academic Policies for more information

- 3) Absences that occur due to students participating in official college activities are excused except in those cases where outside bodies, such as the State Board of Nursing, have requirements for minimum class minutes for each student. Students who are excused will be given reasonable opportunity to make up any missed work or receive substitute assignments from the instructor and should not be penalized for the absence. Proper procedure should be followed in notifying faculty in advance of the student's planned participation in the event. Ultimately it is the student's responsibility to notify the instructor in advance of the planned absence.
- 4) As per the Surgical Technology handbook: Students have one week from absence to turn in required assignments and complete missed tests. A 5% deduction will be automatically made for late assignments and tests. After one week the student may not make up assignments or tests and will be given a "0" for those assignments.

## **ACADEMIC INTEGRITY**

NCCC expects every student to demonstrate ethical behavior with regard to academic pursuits. Academic integrity in coursework is a specific requirement. Definitions, examples, and possible consequences for violations of Academic Integrity, as well as the appeals process, can be found in the College Catalog, Student Handbook, and/or Code of Student Conduct and Discipline.

## **ELECTRONIC DEVICE POLICY**

Student cell phones and other personal electronic devices not being used for class activities must not be accessed during class times unless the instructor chooses to waive this policy.

## **NOTE**

Information and statements in this document are subject to change at the discretion of NCCC. Students will be notified of changes and where to find the most current approved documents.

## **ACCOMMODATIONS**

If you are a student with a disability who may need accommodation(s), in compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) of 1990, please notify the Dean of Student Services in the Student Services Office, Sanders Hall, 620-432-0304, on the Chanute Campus, or the Dean for the Ottawa and Online Campuses, 785-248-2798, on the Ottawa Campus as soon as possible. You will need to bring your documentation for review in order to

determine reasonable accommodations, and then we can assist you in arranging any necessary accommodations.

### **NON-DISCRIMINATION POLICY**

The following link provides information related to the non-discrimination policy of NCCC, including persons with disabilities. Students are urged to review this policy.

<http://www.neosho.edu/Departments/NonDiscrimination.aspx>

### **SEXUAL MISCONDUCT POLICY (TITLE IX)**

At NCCC, it is the responsibility of an instructor to help create a safe learning environment in the classroom, including both physical and virtual classrooms. All instructors are considered mandatory reporters at NCCC, therefore any information regarding sexual misconduct that is shared by a student in one-on-one meetings with the instructor must be reported to appropriate personnel at the College. Instructors will keep the information private to the greatest extent possible, but it is not confidential. Generally, climate surveys, classroom writing assignments or discussions, human subjects research, or events such as Take Back the Night events do not provide notice that must be reported to the Coordinator by employees, unless the reporting party clearly indicates that they wish a report to be made.

The following link provides information related to the sexual misconduct policy of NCCC, including resources, reporting options, and student rights. Students are urged to review this policy.

<http://www.neosho.edu/TitleIX.aspx>

### **COURSE NOTES**