

# Washtenaw Community College Comprehensive Report

## SUR 210 Surgical Procedures II

Effective Term: Winter 2015

### Course Cover

**Division:** Math, Science and Health

**Department:** Allied Health

**Discipline:** Surgical Technology

**Course Number:** 210

**Org Number:** 15320

**Full Course Title:** Surgical Procedures II

**Transcript Title:** Surgical Procedures II

**Is Consultation with other department(s) required:** No

**Publish in the Following:** College Catalog , Time Schedule , Web Page

**Reason for Submission:** Course Change

**Change Information:**

**Consultation with all departments affected by this course is required.**

**Course description**

**Objectives/Evaluation**

**Rationale:** Proposed Start Semester: Winter 2015. Changes required for accreditation.

**Proposed Start Semester:** Fall 2014

**Course Description:** In this course, students will be introduced to diagnostic and surgical procedures used in ophthalmic, otorhinolaryngology, oral and maxillofacial, orthopedic, plastic, cardiothoracic, peripheral vascular and neurosurgery. This course provides a relevant study of anatomy and physiology, the introduction to disease, tumors, fluid and hemodynamic disorders, inflammation and infection, surgically treatable diseases and disorders, and pharmacology as it relates to surgical intervention.

### Course Credit Hours

**Variable hours:** No

**Credits:** 3

**Lecture Hours: Instructor: 45 Student: 45**

**Lab: Instructor: 0 Student: 0**

**Clinical: Instructor: 0 Student: 0**

**Total Contact Hours: Instructor: 45 Student: 45**

**Repeatable for Credit:** NO

**Grading Methods:** Letter Grades

Audit

**Are lectures, labs, or clinicals offered as separate sections?:** NO (same sections)

### College-Level Reading and Writing

College-level Reading & Writing

### College-Level Math

#### Requisites

**Corequisite**

SUR 211

and

**Prerequisite**

SUR 110 minimum grade "C+"

and

**Prerequisite**

SUR 170 minimum grade "C+"

and

**Prerequisite**

SUR 180 minimum grade "C+"

and

**Prerequisite**

SUR 181 minimum grade "C+"

**General Education**

**Request Course Transfer**

Proposed For:

**Student Learning Outcomes**

1. Describe the different diagnostic procedures used to determine surgical intervention.

**Assessment 1**

**Assessment Tool:** essay questions on a specific surgical procedure

**Assessment Date:** Fall 2016

**Assessment Cycle:** Every Three Years

**Course section(s)/other population:** all sections

**Number students to be assessed:** all students

**How the assessment will be scored:** answer key and rubric

**Standard of success to be used for this assessment:** 80% of students will score 80% or higher

**Who will score and analyze the data:** departmental faculty

2. Identify the relevant anatomy and physiology as it relates to the surgical procedure.

**Assessment 1**

**Assessment Tool:** embedded multiple choice questions on exam

**Assessment Date:** Fall 2016

**Assessment Cycle:** Every Three Years

**Course section(s)/other population:** all sections

**Number students to be assessed:** all students

**How the assessment will be scored:** answer key

**Standard of success to be used for this assessment:** 80% of students will score 80% or higher

**Who will score and analyze the data:** departmental faculty

3. Differentiate variations of surgical case management according to the surgical procedure.

**Assessment 1**

**Assessment Tool:** case study

**Assessment Date:** Fall 2016

**Assessment Cycle:** Every Three Years

**Course section(s)/other population:** all sections

**Number students to be assessed:** all students

**How the assessment will be scored:** rubric

**Standard of success to be used for this assessment:** 80% of students will score 80% or higher

**Who will score and analyze the data:** departmental faculty

**Course Objectives**

1. Compare and contrast the surgical procedures in (1) Otorhinolaryngology such as: Cochlear Implants, Mastoidectomy, Myringotomy, Stapedectomy, Tympanoplasty, Choanal Atresia, Endoscopic Sinus Surgery (FESS), Nasal Antrostomy, Nasal Polypectomy, Septoplasty, Turbinectomy, Laryngectomy, Parotidectomy, Radical Neck Dissection (Glossectomy &

Mandibulectomy), Temporomandibular Joint Arthroplasty (TMJ), Tonsillectomy and Adenoidectomy, Tracheotomy and Tracheostomy, and Uvulopalatopharyngoplasty; and (2) Ophthalmic: Chalazion Excision, Dacryocystorhinostomy, Entropion/Ectropion Repair, Enucleation, Extracapsular Cataract Excision, Iridectomy, Keratoplasty, Laceration Repairs, Scleral Buckle, Strabismus Correction (Recession & Resection), and Vitrectomy.

**Matched Outcomes**

2. Compare and Contrast the surgical procedures in (1) Orthopedic such as, a (Open & Arthroscopic), Shoulder (Arthroscopy), Bankart Procedure (Open & Arthroscopic), Shoulder Total Arthroplasty, Radius (ORIF), Radius (External Fixator), Hip (total Arthroplasty & ORIF), Femur (Femoral Shaft Fracture), Knee (Arthroscopy & Total Arthroplasty), Anterior Cruciate Ligament Repair, Amputation (AKA & BKA), Achilles Tendon Repair, Triple Arthrodesis, and Bunionectomy; and (2) Neurosurgery: Carpal Tunnel Release, Laminectomy (Cervical, Anterior & Posterior), Laminectomy Thoracic, Laminectomy Lumbar (Minimally Invasive & Spinal Fusion), Craniotomy (Aneurysm Repair, Cranioplasty & Craniosynostosis Repair), Rhizotomy, Stereotactic Procedures, Transphenoidal Hypophysectomy, Ulnar Nerve Transposition, Ventriculoscopy, and Ventriculoperitoneal Shunt Placement.

**Matched Outcomes**

3. Indicate the name and uses of special equipment.

**Matched Outcomes**

4. Compare and Contrast the surgical procedures in. (1) Oral and Maxillofacial: Maxillary and Mandibular Fractures (ORIF, Arch Bar Application), Clef Repair (Lip & Palate), Odontectomy (Tooth Extraction), Maxillary Fracture (LeForte I, II, III), ORIF Orbital Fracture; and (2) Plastic and Reconstructive: Blepharoplasty, Brow Lift, Cheiloplasty (Palatoplasty), Malar Implants, Mentoplasty, Otoplasty, Rhinoplasty, Rhytidectomy, Breast Augmentation, Mastopexy, Mammoplasty (Nipple Reconstruction & TRAM Flap), Abdominoplasty, Suction Lipectomy, Superficial Lesion/Neoplasm, Skin Graft (FTSG & STSG), Microvascular Pedicle Graft, Scar Revision, Dupuytren's Contracture, Traumatic Injury Repairs, Radial Dysplasia, Release of Polydactyly & Syndactyly.

**Matched Outcomes**

5. Assess any specific variations related to the preoperative intraoperative and postoperative care of the patient.

**Matched Outcomes**

6. Recall the names and uses of instruments, supplies, suture and drugs used during specific procedures.

**Matched Outcomes**

7. Summarize the surgical steps of the illustrative surgical procedures.

**Matched Outcomes**

8. Identify the classifications and care of surgical wounds.

**Matched Outcomes**

9. Compare and Contrast the surgical procedures in (1) Cardiothoracic including: Bronchoscopy, Mediastinoscopy (Lymph Node Biopsy), Thoracoscopy (VAT, Lobectomy, Pneumonectomy, Decortication of the Lung, Lung Transplant, Pectus Excavatum repair, and Pulmonary Embolism), Aortic/Mitral Valve Replacement, Atrial/Ventricular Septal Defect Repair, Closure of Patent Ductus Arteriosus, Coronary Artery Bypass Graft (Intraaortic Balloon Pump, MID-CABG, Off Pump CABG, and VAD Insertion), Heart Transplant, Repair of Coarctation of the Aorta, Tetralogy of Fallot Repair, and Ventricular Aneurysm Repair; and (2) Peripheral Vascular: Abdominal Aortic Aneurysm with Graft Insertion, Angioplasty (Endograft Placement & Endostent Insertion), Angioscopy, AV Shunt and Bypass (Aortofemoral Bypass, Arteriovenous Fistula and Shunt, Femoropopliteal Bypass), Carotid Endarterectomy, Embolectomy, Vena Cava Device, Vein Ligation and Stripping, and Venous Access Device.

**Matched Outcomes**

**New Resources for Course**  
**Course Textbooks/Resources**

Textbooks  
Manuals  
Periodicals  
Software

**Equipment/Facilities**

Level III classroom  
Computer workstations/lab

<b><u>Reviewer</u></b>	<b><u>Action</u></b>	<b><u>Date</u></b>
<b>Faculty Preparer:</b> <i>Paulette Woods-Ramsey</i>	<i>Faculty Preparer</i>	<i>Nov 22, 2014</i>
<b>Department Chair/Area Director:</b> <i>Connie Foster</i>	<i>Recommend Approval</i>	<i>Nov 24, 2014</i>
<b>Dean:</b> <i>Kristin Brandemuehl</i>	<i>Recommend Approval</i>	<i>Nov 25, 2014</i>
<b>Vice President for Instruction:</b> <i>Bill Abernethy</i>	<i>Approve</i>	<i>Jan 05, 2015</i>