

Washtenaw Community College Comprehensive Report

SUR 170 Surgical Pharmacology Effective Term: Spring/Summer 2025

Course Cover

College: Health Sciences

Division: Health Sciences

Department: Allied Health

Discipline: Surgical Technology

Course Number: 170

Org Number: 15320

Full Course Title: Surgical Pharmacology

Transcript Title: Surgical Pharmacology

Is Consultation with other department(s) required: No

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

Reason for Submission: Three Year Review / Assessment Report

Change Information:

Other:

Rationale: There are no changes needed at this time.

Proposed Start Semester: Winter 2024

Course Description: In this course, students will define anesthesia and be introduced to the duties and roles performed by the operating room (OR) team during drug administration. Students will learn to identify the actions, uses, side effects, contraindications and administration of drugs and anesthetic agents in the care of the surgical patients. Safe practices and sterile techniques used in anesthesia procedures will be emphasized. Students will be exposed to anesthesia equipment, supplies, terminology and medications used in surgery.

Course Credit Hours

Variable hours: No

Credits: 2

Lecture Hours: Instructor: 30 **Student:** 30

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

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

Total Contact Hours: Instructor: 30 **Student:** 30

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

Prerequisite

Admission to Surgical Technology program

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Demonstrate the procedure for identifying a drug or solution on the sterile field.

Assessment 1

Assessment Tool: Medication prep exercise

Assessment Date: Spring/Summer 2025

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 on the outcome-related questions.

Who will score and analyze the data: Departmental faculty

2. Identify the different methods of drug administration and anesthetic agents.

Assessment 1

Assessment Tool: Outcome-related multiple-choice exam questions

Assessment Date: Spring/Summer 2025

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 75% or higher on the outcome-related questions.

Who will score and analyze the data: Departmental faculty

3. Identify the action, uses, side effects and contradictions of drugs.

Assessment 1

Assessment Tool: Outcome-related multiple-choice exam questions

Assessment Date: Spring/Summer 2025

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 75% or higher on the outcome-related questions.

Who will score and analyze the data: Departmental faculty

Course Objectives

1. Demonstrate care and handling of medications and solutions.
2. Compare and contrast methods, agents, and techniques of anesthesia administration and preparation.
3. Identify preoperative medications used in the care of the surgical patient.
4. Identify basic drug classifications.
5. Identify concepts of drug administration, assessment used to determine anesthesia choice, pharmacology math and medication measurements.
6. Identify drug categories, general and local anesthesia and alternative anesthesia methods.
7. Discuss pre-operative, intra-operative and post-operative anesthesia agents.
8. Discuss the assessments used to determine anesthesia choice for surgical intervention.
9. Analyze complications of anesthesia.

New Resources for Course

Course Textbooks/Resources

Textbooks

Joanna Kotcher Fuller. *Surgical Technology Principles and Practice*, 7th ed. ELSEVIER, 2013, ISBN: 9780323394734.

Manuals

Periodicals

Software

Equipment/Facilities

Level III classroom

Computer workstations/lab

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>Kathryn Walker</i>	<i>Faculty Preparer</i>	<i>Sep 17, 2023</i>
Department Chair/Area Director: <i>Kristina Sprague</i>	<i>Recommend Approval</i>	<i>Oct 10, 2023</i>
Dean: <i>Shari Lambert</i>	<i>Recommend Approval</i>	<i>Nov 20, 2023</i>
Curriculum Committee Chair: <i>Randy Van Wagnen</i>	<i>Recommend Approval</i>	<i>Jan 11, 2025</i>
Assessment Committee Chair: <i>Jessica Hale</i>	<i>Recommend Approval</i>	<i>Jan 22, 2025</i>
Vice President for Instruction: <i>Brandon Tucker</i>	<i>Approve</i>	<i>Jan 30, 2025</i>

Washtenaw Community College Comprehensive Report

SUR 170 Surgical Pharmacology Effective Term: Winter 2021

Course Cover

Division: Health Sciences

Department: Allied Health

Discipline: Surgical Technology

Course Number: 170

Org Number: 15320

Full Course Title: Surgical Pharmacology

Transcript Title: Surgical Pharmacology

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

Outcomes/Assessment

Rationale: SUR 170 went back online in 2019 after being offline since 2016.

Proposed Start Semester: Winter 2021

Course Description: In this course, students will define anesthesia and be introduced to the duties and roles performed by the operating room (OR) team during drug administration. Students will learn to identify the actions, uses, side effects, contraindications and administration of drugs and anesthetic agents in the care of the surgical patients. Safe practices and sterile techniques used in anesthesia procedures will be emphasized. Students will be exposed to anesthesia equipment, supplies, terminology and medications used in surgery.

Course Credit Hours

Variable hours: No

Credits: 2

Lecture Hours: Instructor: 30 Student: 30

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Total Contact Hours: Instructor: 30 Student: 30

Repeatable for Credit: NO

Grading Methods: Letter Grades

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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

Prerequisite

Admission to Surgical Technology program

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Demonstrate the procedure for identifying a drug or solution on the sterile field.

Assessment 1

Assessment Tool: Medication prep exercise

Assessment Date: Fall 2020

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: Departmental answer key

Standard of success to be used for this assessment: 80% of students will score 80% or higher on the outcome-related questions.

Who will score and analyze the data: Departmental faculty

2. Assess the different methods of drug administration and anesthetic agents.

Assessment 1

Assessment Tool: Outcome-related multiple-choice exam questions

Assessment Date: Fall 2020

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 75% or higher on the outcome-related questions.

Who will score and analyze the data: Departmental faculty

3. Identify the action, uses, side effects and contradictions of drugs.

Assessment 1

Assessment Tool: Outcome-related multiple-choice exam questions

Assessment Date: Fall 2020

Assessment Cycle: Every Three Years

Course section(s)/other population: All sections

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Manuals

Periodicals

Software

Equipment/Facilities

Level III classroom

Computer workstations/lab

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>Kathryn Hernandez</i>	<i>Faculty Preparer</i>	<i>Aug 28, 2020</i>
Department Chair/Area Director: <i>Kristina Sprague</i>	<i>Recommend Approval</i>	<i>Aug 31, 2020</i>
Dean: <i>Valerie Greaves</i>	<i>Recommend Approval</i>	<i>Sep 01, 2020</i>
Curriculum Committee Chair: <i>Lisa Veasey</i>	<i>Recommend Approval</i>	<i>Oct 26, 2020</i>
Assessment Committee Chair: <i>Shawn Deron</i>	<i>Recommend Approval</i>	<i>Oct 27, 2020</i>
Vice President for Instruction: <i>Kimberly Hurns</i>	<i>Approve</i>	<i>Oct 27, 2020</i>