

8/1/2023

DATE

AHD DIVISION

☒ NEW COURSE☐ REVISION

REQUIRED COURSE

ELECTIVE COURSE

Lake Land College

Course Information Form

COURSE NUMBER:	SRT-041	TITLE: (30 Characters Max)		Anesthesia & Pharm Surg Tech					
SEM CR HRS:	3	Lecture:	3	Lab:	0			ECH:	3
Course Level:	<input type="checkbox"/> Gen Ed / IAI <input type="checkbox"/> Baccalaureate / Non-IAI		<input checked="" type="checkbox"/> Career/Technical <input type="checkbox"/> Dev Ed/ Not in Degree Audit	Clinical	0	Work-based Learning:	0	WBL ECH:	0
COURSE PCS #	12 - 51.0909		IAI Code	N/A		Contact Hours Per Week			
Repeatable (Y/N):	N	Pass/Fail (Y/N):	N	Variable Credit (Y/N):	N	Min:	Max:	16 Wks	150
Prerequisites:	None								
Corequisites:	SRT-040								
Catalog Description: (40 Word Limit)	This course assesses the action, uses, and modes of administration of medication and anesthetic agents commonly used in the surgical setting, emphasizing safe handling practices in the surgical setting. Students will understand the role of the surgical technologist during administration of anesthesia.								

List the Major Course Segments (Units)	Contact Lecture Hours	Contact Lab Hours	Clinical	Work-based Learning
Basic Pharmacology & Pharmacology Math	3			
Medication Development, Regulation, and Resources	3			
Medication Administration	6			
Antibiotics and Diagnostic Agents	3			
Diuretics and Hormones	3			
Medications that Affect Coagulation and Ophthalmic Agents	3			
Fluids & Irrigation Solutions and Antineoplastic Chemotherapy Agents	6			
Preoperative, Intraoperative, and Postoperative Medications	18			
TOTAL	45	0	0	0

EVALUATION

QUIZZES <input checked="" type="checkbox"/>	EXAMS <input checked="" type="checkbox"/>	ORAL PRES <input type="checkbox"/>	PAPERS <input type="checkbox"/>
LAB WORK <input type="checkbox"/>	PROJECTS <input type="checkbox"/>	COMP FINAL <input checked="" type="checkbox"/>	OTHER <input checked="" type="checkbox"/>

COURSE MATERIALS

TITLE:	Pharmacology for the Surgical Technologist	Surgical Technology for the Surgical Technologist: A Positive Care Approach
AUTHOR:	Howe, Tiffany and Burton, Angie	AST
PUBLISHER:	Elsevier	Cengage
VOLUME/EDITION/URL:	5th Edition	5th Edition
COPYRIGHT DATE:	2020	2017

MAJOR COURSE SEGMENT	HOURS	LEARNING OUTCOMES
		<i>The student will be able to:</i>
Basic Pharmacology & Pharmacology Math	3	Apply general terminology to medication use
Medication Development, Regulation, and Resources	3	Identify common classes of drugs used in surgery and be able to match them with their actions
Medication Administration	6	Explain the purpose and be able to demonstrate the proper care and handling of medications
Antibiotics and Diagnostic Agents	3	Discuss the characteristics of antibiotics and anti-infectives, and diagnostic agents
Diuretics and Hormones	3	Discuss the characteristics of diuretics, steroids, and oxytocic medications
Medications that Affect Coagulation and Ophthalmic Agents	3	Discuss the characteristics of intravenous solutions, blood replacements, and blood substitutes
Fluids & Irrigation Solutions and Antineoplastic Chemotherapy Agents	6	Identify different types of fluids & irrigation solutions used in the surgical setting
Preoperative, Intraoperative, and Postoperative Medications	18	Identify the purposes and functions of preoperative, intraoperative, and postoperative medications
	45	

Outcomes*	At the successful completion of this course, students will be able to:
Course Outcome	Analyze the principles of anesthesia administration and explain the necessity of each component of anesthesia preparation of the surgical patient
Course Outcome	Compare and contrast methods, agents, and techniques of anesthesia administration and preparation
Course Outcome	Correlate anesthesia monitoring devices with patient homeostasis
Course Outcome	Explain anesthesia complications and interventions
Course Outcome	Calculate medication conversions and dosages
Primary Laker Learning Competency	
Secondary Laker Learning Competency	

*Course and program outcomes will be used in the software for outcomes assessment and should include at least 1 primary and 1 secondary Laker Learning Competency. Limit to 3-5.