

**Western Dakota Technical Institute
800 Mickelson Drive
Rapid City, SD 57703-4018**

Master Syllabus

Course Number: ST 251
Course Name: Surgical Technology Certification Review
Credits: 1
Contact Hours: 1 Lecture

Course Description: This course serves as a comprehensive review for the national certification exam in surgical technology. Students will assess their knowledge in required content areas of surgical technology including perioperative case management and basic sciences of anatomy and physiology, pharmacology, pathophysiology and microbiology.

Prerequisites: ST 230 and ST 231

Textbooks: <http://bookstore.wdt.edu>

Materials: Laptop computer with internet access

Student Learning Outcomes:

- Apply critical thinking skills as they pertain to the perioperative environment including preoperative preparation, intraoperative procedures, and postoperative duties
- Apply principles of surgical pharmacology and microbiology to operative practice
- Demonstrate knowledge of anatomical systems and human physiology as they relate to surgical procedures and corresponding pathophysiology
- Discuss additional duties of the surgical technologist including equipment, sterilization, and maintenance

Assessment: The core abilities of technology skills, life skills, analytical skills, and employability will be assessed throughout this course.

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