
COURSE PREFIX NO: SUR 104
COURSE TITLE: Surgical Procedures II
LECTURE HRS/WK: 2.0
LAB HRS/WK: 6.0
CREDIT HRS/SEMESTER: 4.0

[Distance Learning Attendance/VA Statement](#)
[Textbook Information](#)

COURSE DESCRIPTION

This course is a study of advanced specialties of surgical procedures. Surgical diagnostic procedures, obstetrics and gynecology (OB/GYN), otorhinolaryngology (ENT) genitourinary (GU) and surgery will be covered in this course.

COURSE COMPETENCIES

MODULE 1: Diagnostic and Assessment Procedures

1. Describe the proper procedure for taking the patient's vital signs.
2. Accurately document vital sign measurements.
3. Describe the use of an electrocardiograph.
4. List and define commonly used imaging studies.
5. Describe common radiation therapy techniques.
6. Discuss basic blood and urine chemistry tests.
7. Describe the different methods of tissue biopsy.
8. Describe the effects of malignancy on the body.
9. Discuss cancer screening.

MODULE 2: Obstetrics and Gynecology

1. Describe the primary features of reproductive anatomy.
2. Discuss common gynecological diseases and conditions that may require surgery.
3. Identify gynecological Instruments and equipment.
4. Identify common diagnostic procedures in reproductive medicine.
5. Describe the principles and techniques of hysteroscopy.
6. Explain the rationale for using electrolytic or nonelectrolytic distention fluid in hysteroscopy.
7. Explain the importance of maintaining aseptic technique during vaginal procedures.
8. Apply the principles and techniques of gynecological surgery during a variety of procedures.
9. Describe the appropriate psychological support of a patient undergoing an obstetrical or a gynecological procedure.
10. Describe the process of meiosis.
11. Define diploid and haploid.
12. Describe the difference between spermatogenesis and oogenesis.
13. Name the hormones necessary for the formation of gametes, and state the function of each.
14. Describe the location and function of the testes.
15. Explain the function of the epididymis, ductus deferens, ejaculatory duct, urethra, seminal vesicles, prostate gland, and bulbourethral glands.
16. Describe the composition of semen and explain why its pH must be alkaline.

17. Name the parts and state the function of each for a sperm cell.
18. Describe the functions of the ovaries, fallopian tubes, uterus, and vagina.
19. Describe the structure and function of the myometrium, and endometrium.
20. Describe the structure of the mammary glands and the function of the hormones involved in lactation.
21. Describe the menstrual cycle in terms of the hormones involved and the changes in the ovaries and the endometrium.

MODULE 3: Otorhinolaryngology

1. Define the common terminology used in surgery of the ear, nose, and throat.
2. Identify the key anatomical structures of the ear, nose, and throat.
3. Describe common procedures of the ear, nose, and throat
4. Discuss equipment and instrumentation used in procedures of the ear, nose, and throat.
5. Explain the general purpose of sensations.
6. Name the parts of the sensory pathway, and state the function of each.
7. Describe the characteristics of sensations.
8. Name the cutaneous senses, and explain their purpose.
9. Explain referred pain, and its importance.
10. Explain the importance of muscle sense.
11. Describe the pathways for the sense of taste, and smell, and explain how these are interrelated.
12. Name the parts of the eye and their functions
13. Describe the physiology of vision.
14. Name the parts of the ear and their functions.
15. Describe the physiology of hearing, and of equilibrium.
16. Explain the importance of the arterial pressoreceptors and chemoreceptors.

MODULE 4: Genitourinary Surgery

1. Describe the functional anatomy of the genitourinary system and the location of each organ of the urinary system.
2. Identify and describe common genitourinary procedures.
3. Describe common pathological conditions of the genitourinary system.
4. Distinguish between transurethral, endoscopic, and open genitourinary procedures.
5. Identify essential genitourinary instruments.
6. Describe the role of the surgical technologist in transurethral surgery.
7. Name the parts of a nephron and the important blood vessels associated with them.
8. Explain how the following are involved in urine formation: glomerular filtration, tubular reabsorption, tubular secretion, and blood flow through the kidney.
9. Describe how the kidneys help maintain normal blood volume and blood pressure.
10. Name and state the function of the hormones that affect the kidneys.
11. Describe how the kidneys help maintain normal pH of blood and tissue fluid.
12. Describe the urination reflex, and explain how voluntary control is possible.
13. Describe the characteristics of normal urine.

MINIMAL STANDARDS

The student must **earn a satisfactory final grade (80 or higher)** in this course (SUR 104) as well as in SUR 103 and SUR 111 to continue in the Surgical Technology Program.

COURSE REQUIREMENTS

In order to successfully complete SUR 104, the student is required to fulfill the following requirements:

1. Complete all reading assignments prior to class sessions.

2. Successfully complete all competency based exams, quizzes, projects and assignments with a minimum average grade of 80.
3. See SUR 104 Addendum for further requirements.

CLASSROOM ETIQUETTE

College requires a different level of concentration, style of participation, and standard of conduct than other educational experiences. Learning is fostered by courtesy in the classroom; therefore, it is my responsibility to create and maintain a healthy learning environment. As such, the following guidelines will be followed in this classroom:

- Any behavior which disrupts the learning process will not be tolerated.
- Silence or turn off cell phones, pagers, alarms on watches, or any other devices that make noise.
- Do Not Talk To Others While The Instructor Is Lecturing.
- Do Not Talk While Others Are Talking.
- Respect the opinions of others in the class even if you disagree with them.

EVALUATION STRATEGIES

Written Exams

- There will be an exam for each of the 4 modules.
- All tests will be available in D2L and will be administered in the Assessment Center.
- Each exam will be available to the students for 4 days.
- Failure to take the exam prior to the deadline will result in a zero for the missed exam.
- Should the student experience extenuating circumstances they **MUST** contact the instructor prior to the deadline to make arrangements.
- Failure to do so will result in a zero for the missed exam.
- The exams may be constructed with multiple choice questions, matching, fill-in-the-blank, essay (short essays).
- The Assessment Center closes at 2:00 on Friday and Saturday. Please consult the Assessment Center for specific hours of operation. (981-7176)

Methods of Instruction

Methods of instruction include course management system (D2L); discussion boards; instructor-developed PowerPoint presentations; YouTube video clips; online reference resources; discussions; email; and textbook supplements.

GRADING PROCEDURES

Grades will be based on performance on written competency based exams, class work, projects and quizzes. Exam material will come from text book, lecture material, handouts and class discussion.

Evaluation of performance:

- Module Exams: 50%
- Class work/Homework: 20%
- Projects: 30%

College Grading Scale:

93-100	A
85-92	B
80-84	C
75-79	D
Below 75	F

- Four Module Exams will be averaged and will count 50% of your final grade.
- All homework will be averaged and will count 20% of your final grade.
- Two class projects will be averaged and will count as 30% of your final grade.

ATTENDANCE

Attendance Policy:

Students are expected to attend all lecture and lab sessions of SUR 104. If an absence is unavoidable, the student must contact the instructor prior to the class and/or lab session. Failure to attend class will result in an absence. After two absences, a written warning will be issued. The third absence may result in withdrawal from the program at the discretion of the program director. SUR students are responsible for explaining EACH absence. **Students are required to phone the instructor for all absences and late arrivals.** Please see the SUR TECH Student Handbook for additional information.

It is the judgment and experience of the program administrators that more than **two** absences make successful satisfactory completion of course requirements very difficult. Therefore, students with more than two absences may be withdrawn from the program at the discretion of the program director.

The student may apply to be considered for re-admission if all other grades and lab performance are satisfactory according to York Tech policy. Refer to the York Technical College Student Handbook. Students should realize the direct relationship that exists between good grades and class attendance.

Late arrivals / early departures:

Attendance in a class meeting requires being in the classroom and prepared for class at the time the class is scheduled to begin **and** remaining in the classroom until the instructor concludes the class session. Students are expected to arrive to class meetings at or before the scheduled start time and stay for the entire class session. Three (3) late arrivals and/or early departures will equal one (1) absence. **Students are required to phone the instructor for all absences and late arrivals.**

ACADEMIC INTEGRITY

The policies stated in the *York Technical College Catalog & Handbook* and the *Surgical Technology handbook* will be enforced.

ENTRY LEVEL SKILLS

A student entering SUR 104 should have appropriate entrance scores for the Surgical Technology Program and the willingness to read, comprehend, and communicate effectively.

PREREQUISITES: SUR 101, SUR102, SUR 130

CO-REQUISITES: SUR 103, SUR 111

DISABILITIES STATEMENT: Any student who feels s/he may need an accommodation based on the impact of a disability should contact the Special Resources Offices (SR) at 803-327-8007 in the 300 area of Student Services. The SRO coordinates reasonable accommodations for students with documented disabilities.

Revised Date: 01/11