

SURG-114 THIRD LEVEL OF SURGICAL TECHNOLOGY 6 CREDITS

SYLLABUS

CATALOG DESCRIPTION

The student will learn equipment for Diagnostic procedures. Learn the names and uses of general surgery instruments and procedures. They will also learn instruments and procedures for Obstetric and Gynecologic Surgery, Ophthalmic Surgery, Otorhinolaryngologic Surgery and Oral and Maxillofacial Surgery. They will do some practicum to compliment this course.

Prerequisites: Acceptance into the Surgical Technology Program. HITP 110, BIOL 224, BIOL 252, BIOL 253, ENGL111, ENG 211 or 218, COMM 110 OR 111, MATH 114 or higher, PSYC 120, SURG 110, 112, &119

Semester Offered: Spring Semester

COMMON STUDENT LEARNING OUTCOMES

Upon successful completion of San Juan College programs and degrees, the student will demonstrate competency in...

BROAD AND SPECIALIZED LEARNING

Students will actively and independently acquire, apply, and adapt skills and knowledge with an awareness of global contexts.

CRITICAL THINKING

Students will think analytically and creatively to explore ideas, make connections, draw conclusions and solve problems.

CULTURAL AND CIVIC ENGAGEMENT

Students will act purposefully, reflectively, and ethically in diverse and complex environments.

EFFECTIVE COMMUNICATION

Students will exchange ideas and information with clarity in multiple contexts.

INFORMATION LITERACY

Students will be able to recognize when information is needed and have the ability to locate, evaluate, and use it effectively.

INTEGRATING TECHNOLOGIES

Students will demonstrate fluency in the application and use of technologies in multiple contexts.

Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or institutional learning outcomes. For more information, please refer to the Dean of the appropriate School.

COURSE LEARNING OUTCOMES

Upon successful completion of the course, the student will be able to:

SPECIFIC LEARNING OBJECTIVES

1. Recognize the relevant anatomy physiology of the female reproductive system.
2. Summarize the pathology of the female reproductive system that prompts surgical intervention and the related terminology.
3. Determine any special preoperative obstetric and gynecologic diagnostic procedures/test.
4. Determine any special preoperative preparation procedures related to obstetric/gynecologic procedures.
5. Indicate the names and uses of obstetric and gynecologic instruments, supplies, and drugs.
6. Indicate the names and uses of special equipment related to obstetric/gynecologic surgery.
7. Determine the intraoperative preparations of the patient undergoing an obstetric or gynecologic procedure.
8. Summarize the surgical steps of obstetric/gynecologic procedures.
9. Interpret the purpose and expected outcomes of the obstetric/gynecologic procedure.
10. Recognize the immediate postoperative care and possible complications of the obstetric/gynecologic procedures.
11. Assess any specific variations related to the preoperative, intraoperative, and postoperative care of the obstetric/gynecologic patient.
12. Recognize the anatomy of the eye.
13. Summarize the pathology that prompts surgical intervention of the eye and related terminology.
14. Determine any special preoperative preparation procedures.
15. Indicate the names and uses of ophthalmic instruments, supplies, and drugs.
16. Indicate the names and uses of special equipment.
17. Determine the intraoperative preparation of the patient undergoing an ophthalmic procedure.
18. Summarize the surgical steps of ophthalmic procedures.
19. Interpret the purpose and expected outcomes of the ophthalmic procedure.
20. Recognize the immediate postoperative care and possible complications of the ophthalmic procedure.
21. Assess any specific variations related to the preoperative, intraoperative, and postoperative care of the ophthalmic patient.
22. Recognize the relevant anatomy of the ear, nose, and upper aerodigestive tract.
23. Summarize the pathology that prompts otorhinolaryngologic surgical intervention and the related terminology.
24. Determine any preoperative otorhinolaryngologic diagnostic terminology.
25. Determine any otorhinolaryngologic preoperative and intraoperative preparation procedures.
26. Indicate the names and uses of otorhinolaryngologic instruments, supplies, and drugs.
27. Indicate the names and uses of special otorhinolaryngologic equipment.
28. Summarize the surgical steps of the otorhinolaryngologic procedures.
29. Interpret the purpose and expected outcomes of the otorhinolaryngologic procedures.
30. Recognize the immediate postoperative care and possible complications of the otorhinolaryngologic procedures.
31. Assess any specific variations related to the preoperative, intraoperative, and postoperative care of the otorhinolaryngologic patient.
32. Recognize the anatomy relevant to specific procedures in oral and maxillofacial surgery.
33. Summarize the pathology that prompts oral and maxillofacial surgery and the related terminology.
34. Determine special preoperative diagnostic procedures/tests pertaining to oral and maxillofacial surgery.
35. Determine special preoperative preparation procedures related to oral and maxillofacial surgery.
36. Indicate the names and uses of oral and maxillofacial instruments, supplies and drugs.
37. Indicate the names and uses of special equipment used for oral and maxillofacial surgery.
38. Recognize the relevant anatomy and physiology of the skin and its underlying tissues.
39. Summarize the pathology that prompts plastic/reconstructive surgical intervention and the related terminology.
40. Determine any special preoperative plastic/reconstructive diagnostic procedures/tests.
41. Determine any special preoperative preparation procedures related to plastic/reconstructive surgical procedures.
42. Indicate the names and uses of plastic/reconstructive instruments, supplies, and specialty equipment.
43. Determine the intraoperative preparation of the patient undergoing a plastic/reconstructive procedure.

44. Summarize the surgical steps of the plastic/reconstructive procedures.
45. Interpret the purpose and expected outcomes of the plastic/reconstructive procedures.
46. Recognize the immediate postoperative care and possible complications of the plastic/reconstructive procedures.
47. Assess any specific variations related to the preoperative, intraoperative, and postoperative care of the plastic/reconstructive patient.
48. Recognize the relevant anatomy of the genitourinary system.
49. Recognize the pathology that prompts genitourinary system surgical intervention and the related terminology.
50. Assess any special preoperative genitourinary diagnostic procedures/tests.
51. Assess any special preoperative genitourinary preparation procedures/tests.
52. Indicate the names and uses of genitourinary instruments, supplies, and specialty equipment.
53. Determine the intraoperative preparation of the patient undergoing the genitourinary procedure.
54. Summarize the steps of the genitourinary procedures.
55. Recognize the pathology that prompts genitourinary system surgical intervention and the related terminology.
56. Assess any special preoperative genitourinary diagnostic procedures/tests.
57. Assess any special preoperative genitourinary preparation procedures/tests.
58. Indicate the names and uses of genitourinary instruments, supplies, and specialty equipment.
59. Determine the intraoperative preparation of the patient undergoing the genitourinary procedure.
60. Summarize the steps of the genitourinary procedures.
61. Determine the purpose and expected outcomes of the genitourinary procedures.
62. Assess the immediate postoperative care and possible complications of the genitourinary procedures.
63. Recognize any specific variations related to the preoperative, intraoperative, and postoperative care of the genitourinary patient
64. Recognize the relevant anatomy and physiology of the musculoskeletal system.
65. Summarize the pathology of the musculoskeletal system that prompts surgical intervention and the related terminology.
66. Determine any preoperative orthopedic diagnostic procedures/tests.
67. Determine any special preparation related to orthopedic procedures.
68. Indicate the names and uses of orthopedic instruments, equipment, and supplies.
69. Determine the intraoperative preparation of the patient undergoing an orthopedic procedure.
70. Summarize the surgical steps of the orthopedic procedures.
71. Interpret the purpose and expected outcomes of the orthopedic procedures.
72. Recognize the immediate postoperative care and possible complications of the orthopedic procedures.