

## COURSE CONTENT

**University:** Muğla Sıtkı Koçman University

**Faculty:** Medicine/ **Program:** English Program

**Academic Year:** 2022-2023

**Phase:** 4/ **Course:** General Surgery

**Course Code:** MED 4004 / **ECTS:** 11 / **Theoric+Practice Lesson+Laboratory Lesson**

**Course Type:** Compulsory/ **Course Length:** 8 weeks/ **Type of Instruction:** Formal/ **Language of Instruction:** English

### Theoretical:

1. Introduction of the Clerkship Program (1 Hours)
2. Abdominal compartment syndrome (1 Hours)
3. Abdominal pain, types of pain and acute abdomen (2 Hours)
4. Abdominal wall anatomy and abdominal wall hernias (1 Hours)
5. Abscess and cysts of the liver (1 Hours)
6. Acid- base balance physiology and disorders (2 Hours)
7. Anamnesis and patient in surgery (1 Hours)
8. Appendix anatomy and acute appendicitis (1 Hours)
9. Approach to malnutrition and normal nutrition physiology (1 Hours)
10. Approach to the axilla in malignant breast diseases (1 Hours)
11. Asepsy, antisepsy, basic concepts in microbiology (1 Hours)
12. Basic concepts in gastrointestinal endoscopy, functional anatomy and physiology of the upper gastrointestinal tract (1 Hours)
13. Basic principles in laparoscopic surgery (1 Hours)
14. Bile metabolism, gallstones and acute cholecystitis (1 Hours)
15. Biliary injuries and strictures (1 Hours)
16. Bleeding and hemostasis metabolism (1 Hours)
17. Burns and burn pathophysiology (1 Hours)
18. Choledochal stones and cholangitis (1 Hours)
19. Colon and rectal cancers (2 Hours)
20. Colorectal polyps and diverticular disease (1 Hours)
21. Endocrine, metabolic and immunological response to trauma, pathophysiology of inflammation (1 Hours)
22. Enteral treatment of malnutrition (1 Hours)
23. Esophageal functional anatomy, esophageal diseases and upper gastrointestinal physiology (1 Hours)
24. Etiology and diagnosis in malignant breast diseases (1 Hours)
25. Fistula physiopathology and gastrointestinal system fistulas (1 Hours)
26. Functional anatomy of intra-extra-abdominal organs and abdominal traumas (2 Hours)
27. Functional anatomy of the anal region, benign anorectal diseases and pilonidal disease (2 Hours)
28. Functional anatomy of the lower gastrointestinal tract and lower gastrointestinal bleeding (1 Hours)
29. Functional anatomy of the pancreas and pancreatic tumors (1 Hours)
30. Functional anatomy of the pancreas, exocrine secretory metabolism and acute pancreatitis (1 Hours)
31. Functional anatomy of the spleen and surgical diseases of the spleen (1 Hours)
32. Functional anatomy, histology and diseases of the adrenal glands (1 Hours)
33. Functional anatomy, physiology of the breast and benign breast diseases (1 Hours)
34. Gallbladder and biliary tract tumors (1 Hours)
35. Gastroenteropancreatic neuroendocrine tumors (1 Hours)

36. Gastrointestinal tract wall histology and gastrointestinal stromal tumor (1 Hours)
37. Hepatobiliary anatomy and surgical principles (1 Hours)
38. Individual patient presentation studies (3h)
39. Infection pathophysiology, surgical infections and antibiotic prophylaxis (1 Hours)
40. Inflammatory bowel diseases (1 Hours)
41. Inflammatory breast kanser and breast cancer at special conditions (1 Hours)
42. Inguinal and femoral hernias (1 Hours)
43. Intraabdominal infection, abscesses and abscess physiopathology (1 Hours)
44. Introduction of instruments used in surgery (1 Hours)
45. Introduction to surgery (1 Hours)
46. Layers of skin, simple soft tissue lesions, minor surgical procedures (1 Hours)
47. Liquid- electrolyte balance therapy (1 Hours)
48. Liquid- electrolyte balance, liquid electrolyte metabolism and physiology (2 Hours)
49. Liver tumors (1 Hours)
50. Malignant thyroid diseases (1 Hours)
51. Malignant tumors of the stomach and duodenum (1 Hours)
52. Mesenteric and omental diseases (1 Hours)
53. Mesenteric vascular anatomy, mesenteric ischemia and short bowel syndrome (1 Hours)
54. Normal bowel physiology and intestinal obstructions (1 Hours)
55. Pancreatic enzyme metabolism and chronic pancreatitis (1 Hours)
56. Parathyroid gland anatomy, calcium metabolism and parathyroid diseases (1 Hours)
57. Parenteral treatment of malnutrition (1 Hours)
58. Peptic disease and benign diseases of the stomach - 1 (1 Hours)
59. Peptic disease and benign diseases of the stomach - 2 (1 Hours)
60. Physiological reflux, gastroesophageal reflux disease and diaphragmatic hernias (1 Hours)
61. Physiopathological changes in the elderly and surgery in the elderly (1 Hours)
62. Preoperative preparation and postoperative care (1 Hours)
63. Primary-secondary hemostasis cascade, thromboembolism prophylaxis in the surgical patient, and complications of anticoagulant therapy (1 Hours)
64. Principles of organ transplantation, kidney and liver transplantation and graft versus host (1 Hours)
65. Semiology in oncology, surgical oncology and approach to cancer patients (1 Hours)
66. Sepsis ve SIRS (1 Hours)
67. Shock, physiopathology of shock (1 Hours)
68. Soft tissue sarcomas (1 Hours)
69. Surgical ethics and informed consent (1 Hours)
70. Surgical methabolism (1 Hours)
71. Surgical research and scientific literacy (1 Hours)
72. Sutures and suturing technique in surgery (1 Hours)
73. The pathophysiology of obesity and morbid obesity (1 Hours)
74. Thyroid gland anatomy, physiology and benign thyroid diseases (2 Hours)
75. Treatment in malignant breast diseases (1 Hours)
76. Use of blood products in surgery (1 Hours)
77. Vascular anatomy of the liver and portal hypertension (1 Hours)
78. Wound healing, physiopathology of wound healing

Practical:

1. Free working time (Individual research for case analysis) (2 Hours)
2. Free working time (Library) (16 Hours)
3. Individual patient presentation studies (29 Hours)
4. Inpatient bedside practice applications (Application of counseling on disability report) (1 Hours)
5. Inpatient bedside practice applications (Editing death certificate) (1 Hours)
6. Inpatient bedside practice applications (Enema applications) (1 Hours)
7. Inpatient bedside practice applications (Evaluation of direct radiographs) (1 Hours)
8. Inpatient bedside practice applications (Evaluation of general condition and vital signs) (26 Hours)

9. Inpatient bedside practice applications (Filling the request form for laboratory examination) (1 Hours)
10. Inpatient bedside practice applications (General and problem-oriented history taking) (51 Hours)
11. Inpatient bedside practice applications (Illumination and informed consent) (1 Hours)
12. Inpatient bedside practice applications (Making a rational laboratory and imaging review request) (1 Hours)
13. Inpatient bedside practice applications (Patient file preparation) (1 Hours)
14. Inpatient bedside practice applications (Prepare epicrisis) (1 Hours)
15. Inpatient bedside practice applications (Preparing health reports in accordance with current legislation) (1 Hours)
16. Inpatient bedside practice applications (Prescribing) (1 Hours)
17. Operating room applications (Consulting, surgical patient preparation) (4 Hours)
18. Operating room applications (Surgical patient preparation) (24 Hours)
19. Outpatient clinic practical applications (General and problem-oriented history taking) (5 Hours)
20. Seminar / Article research (Abdominal traumas, abdominal and inguinal hernias, morbid obesity) (1 Hours)
21. Seminar / Article studies (Acute abdomen syndrome, lower gastrointestinal bleeding, anal fissure) (1 Hours)
22. Seminar / Article studies (Acute appendicitis, acid-base balance disorders, dehydration) (1 Hours)
23. Seminar / Article studies (Goiter, hemorrhoidal disease, ileus) (1 Hours)
24. Seminar / Article studies (Liquid- electrolyte balance disorders, upper gastrointestinal system bleeding) (1 Hours)
25. Seminar / Article studies (Skin and soft tissue infections, abscesses, skin injuries, gastro-esophageal reflux) (1 Hours)
26. Special intervention activity (Preparing the surgical patient)

Others:

1. Clerkship and clerkship exam evaluation meeting (1 Hours)
2. End-of-clerkship evaluation exam (Oral practice exam) (7 Hours)
3. End-of-clerkship evaluation exam (Theoretical) (1 Hours)
4. Interview with the Mentor (2 Hours)
5. Theoretical exam evaluation meeting (1 Hours)