

## COURSE CONTENT

**University:** Muğla Sıtkı Koçman University

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

**Academic Year :** 2024-2025

**Phase:** 4/ **Course:** Internal Diseases

**Course Code:** MED 4017/ **ECTS:** 14 / Theoric+Practice Lesson+Laboratory Lesson

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

### Theoretical:

1. Acid-base physiology and acid-base balance disorders (1 Hours)
2. Acute and chronic complications of diabetes (1 Hours)
3. Acute and chronic leukemias (1 Hours)
4. Acute glomerulonephritis (1 Hours)
5. Acute hepatitis (1 Hours)
6. Acute kidney injury (1 Hours)
7. Acute pancreatitis etiopathogenesis and treatment (1 Hours)
8. Amyloidosis (1 Hours)
9. Anaphylaxis (1 Hours)
10. Anatomical features and anomalies of the kidney (1 Hours)
11. Ankylosing spondylitis (1 Hours)
12. Approach to hematuria (1 Hours)
13. Approach to hemochromatosis (1 Hours)
14. Approach to hypoglycemias (1 Hours)
15. Approach to macrocytic anemia (1 Hours)
16. Approach to microcytic anemias (1 Hours)
17. Approach to primary hypertension and hypertensive emergencies (1 Hours)
18. Approach to proteinuria and glomerular physiology (1 Hours)
19. Approach to rheumatic diseases with cases (3 Hours)
20. Approach to the bleeding patient (1 Hours)
21. Approach to the cancer patient, communication and ethical issues (1 Hours)
22. Approach to the polycythemic patient (1 Hours)
23. Approach to the shock (1 Hours)
24. Approach to thrombocytopenia (1 Hours)
25. Approach to thyroid nodules (1 Hours)
26. Approach to venous thromboembolism and thrombophilia (1 Hours)
27. Basic principles of patient nutrition (1 Hours)
28. Behcet 's disease (1 Hours)
29. Biology, genetic, clinical and pharmacological features in gastrointestinal tumors with cases (1 Hours)
30. Biology, genetics, clinical and pharmacological features in breast cancer with cases (1 Hours)
31. Biology, genetics, clinical and pharmacological features in lung and head and neck cancers with cases (1 Hours)
32. Biology, genetics, clinical and pharmacological features in male and female (1 Hours)
33. Biology, genetics, clinical and pharmacological features in skin, brain and bone tumors with cases (1 Hours)
34. Blood group incompatibilities (1 Hours)
35. Bone marrow failures (1 Hours)
36. Bone metabolism, osteoporosis and other metabolic bone diseases (1 Hours)
37. Cancer biology and genetics (1 Hours)
38. Chronic diseases and cardiovascular risk assessment (1 Hours)

39. Chronic glomerulonephritis (1 Hours)
40. Chronic hepatitis (1 Hours)
41. Chronic kidney damage (1 Hours)
42. Chronic pancreatitis etiopathogenesis and treatment (1 Hours)
43. Commonly used drugs in hematology and their side effects (1 Hours)
44. Complications of blood and products transfusion (1 Hours)
45. Complications of cirrhosis (1 Hours)
46. Comprehensive geriatric assessment (1 Hours)
47. Concept of aging and fragility (1 Hours)
48. Crush injuries (1 Hours)
49. Crystal arthropathies (1 Hours)
50. Cushing's syndrome (1 Hours)
51. Cystic diseases of the kidney (1 Hours)
52. Diabetes mellitus etiopathogenesis and endocrine physiology of the pancreas (1 Hours)
53. Diabetes mellitus treatment, antidiabetic drugs and their side effects (1 Hours)
54. Diabetic nephropathy pathophysiology and treatment (1 Hours)
55. Digestive system absorption dysfunction and malabsorption (1 Hours)
56. Diseases of neurohypophysis (1 Hours)
57. Disseminated intravascular coagulation (1 Hours)
58. Endocrine problems in the elderly (1 Hours)
59. Enteropathic arthritis (1 Hours)
60. Etiopathogenesis and treatment of rheumatoid arthritis (1 Hours)
61. Etiopathogenesis and treatment of systemic lupus erythematosus (1 Hours)
62. Evaluation and planning of nutrition in the elderly (1 Hours)
63. Familial Mediterranean fever (FMF) (1 Hours)
64. Fluid-electrolyte balance, disorders and treatment (1 Hours)
65. Gastrointestinal motility disorders (1 Hours)
66. genitourinary cancers with cases (1 Hours)
67. Geriatric palliative care (1 Hours)
68. Hemochromatosis-Wilson's disease (1 Hours)
69. Hemoglobin structure and hemoglobinopathies (1 Hours)
70. Hemolytic anemias (1 Hours)
71. History taking in rheumatic diseases (1 Hours)
72. Hyperandrogenism and hirsutism (1 Hours)
73. Hypothyroidism etiopathogenesis, treatment and side effects of drugs (1 Hours)
74. Immune system physiology and adult immunization (1 Hours)
75. Immunodeficiency syndromes (1 Hours)
76. Importance and management of chronic diseases (1 Hours)
77. Inappropriate ADH syndrome (1 Hours)
78. Infective arthritis (1 Hours)
79. Inflammatory bowel diseases (1 Hours)
80. Inflammatory muscle diseases etiopathogenesis, inflammation and muscle tissue relationship etiopathogenesis, inflammation and muscle tissue relationship (1 Hours)
81. Introduction to Internal Medicine Clerkship (1 Hours)
82. Irritable bowel disease (1 Hours)
83. Laboratory in rheumatic diseases (1 Hours)
84. Liver cirrhosis, portal system anatomy and physiology and complications of cirrhosis (1 Hours)
85. Lower gastrointestinal bleeding (1 Hours)
86. Lymphoproliferative diseases (1 Hours)
87. Medical history in internal diseases (1 Hours)
88. Medicines and kidney (1 Hours)
89. Musculoskeletal examination (1 Hours)
90. Musculoskeletal radiology (1 Hours)
91. Myeloid cell characteristics and myeloproliferative diseases (1 Hours)
92. Nephrotic syndrome (1 Hours)

93. Palliative care and supportive treatments in cancer (1 Hours)
94. Pathophysiology and treatment of hyperparathyroidism (2 Hours)
95. Pathophysiology, diagnosis and evaluation of malnutrition (1 Hours)
96. Peptic diseases and gastroesophageal reflux (1 Hours)
97. Periodic health screenings specific to elderly individuals (1 Hours)
98. Pheochromocytoma (1 Hours)
99. Physiological changes in old age (1 Hours)
100. Physiology of the adrenal glands and adrenal insufficiency (1 Hours)
101. Pituitary Anatomy and Pituitary Disorders (1 Hours)
102. Pituitary physiology and pituitary insufficiency (1 Hours)
103. Poisonings (1 Hours)
104. Pregnancy and kidney (1 Hours)
105. Primary hyperaldosteronism (1 Hours)
106. Principles of physical examination in internal diseases (Abdominal, Consciousness, Skin, General Condition and Vital Findings, Cardiovascular, Musculoskeletal, Breast and axillary, Neurological, Respiratory) (1 Hours)
107. Psoriatic arthritis (1 Hours)
108. Rational drug use in the elderly (1 Hours)
109. Reactive arthritis (1 Hours)
110. Respiratory physiology and respiratory failure (ARDS) (1 Hours)
111. Respiratory system examination (2 Hours)
112. Sarcoidosis (1 Hours)
113. Scleroderma (1 Hours)
114. Secondary hypertension (1 Hours)
115. Sepsis pathophysiology and approach to the septic patient (1 Hours)
116. Sjogren's syndrome (1 Hours)
117. Stone diseases of the urinary system (1 Hours)
118. Systemic diseases in the elderly (1 Hours)
119. The metabolic syndrome (1 Hours)
120. Thyroid cancers (1 Hours)
121. Thyrotoxicosis etiopathogenesis, treatment and side effects of drugs (1 Hours)
122. Tubulointerstitial diseases (1 Hours)
123. Upper gastrointestinal bleeding (1 Hours)
124. Urinary tract infections (1 Hours)
125. Vascular histology, pathophysiology of inflammation and vasculitides (1 Hours)
126. Vasculitides (1 Hours)
127. Violence against the elderly, neglect and abuse of the elderly (1 Hours)
128. Vitamin K deficiency and other acquired coagulation disorders

**Practical:**

1. Diabetes mellitus treatment, antidiabetic drugs and their side effects (1 Hours)
2. Endocrinology case analyzes (1 Hours)
3. Free working times (Collecting documents for case analysis) (5 Hours)
4. Free working times (Individual case Presentation studies) (18h)
5. Free working times (Individual research for case analysis) (5 Hours)
6. Free working times (Library) (21 Hours)
7. Free working times (Self-study for case analysis) (3 Hours)
8. Gastroenterology case analyzes (1 Hours)
9. General internal medicine case analyzes (1 Hours)
10. Inpatient bedside practical applications (Evaluation of direct radiographs, Nasogastric tube application, Blood pressure measurement) (1 Hours)
11. Inpatient bedside practical applications (Respiratory examination, Clarification and obtaining consent, Patient file preparation, Blood pressure measurement, Geriatric syndromes) (1 Hours)
12. Inpatient bedside practice applications (General and problem-oriented history (1 Hours)
13. Inpatient bedside practice applications (General and problem-oriented history taking, Acute pancreatitis, Food poisoning, Dehydration, Urinary system infections) (1 Hours)

14. Inpatient bedside practice applications (General and problem-oriented history taking, Consciousness assessment, Blood pressure measurement, Blood glucose measurement with a glucometer, Arterial blood gas collection, Acidbase balance disorders) (1 Hours) 15. Inpatient bedside practice applications (General and problem-oriented history taking, Evaluation of general condition and vital signs) (2 Hours) 16. Inpatient bedside practice applications (General and problem-oriented history taking, Evaluation of general condition and vital signs, Blood glucose measurement with glucometer, Obesity, Metabolic syndrome, Diabetes mellitus) (1 Hours) 17. Inpatient bedside practice applications (General and problem-oriented history taking, Evaluation of general condition and vital signs, Blood pressure measurement, Consciousness evaluation, Glasgow and AVPU coma scale evaluation, Shock, Sepsis) (2 Hours) 18. Inpatient bedside practice applications (General and problem-oriented history taking, Evaluation of general condition and vital signs, Evaluation of consciousness, Blood glucose measurement with glucometer, Hypoglycemia, Avitaminosis) (1 Hours) 19. Inpatient bedside practice applications (General and problem-oriented history taking, Evaluation of general condition and vital signs, Nasogastric tube application, Irritable bowel syndrome, Gastroesophageal reflux disease, Upper gastrointestinal system bleeding) (1 Hours) 20. Inpatient bedside practice applications (General and problem-oriented history taking, Gastroenteritis, Peptic diseases, Appendicitis) (1 Hours) 21. Inpatient bedside practice applications (General and problem-oriented history taking, Nasogastric tube application, Enema application applications, Acute abdomen syndrome, Irritable bowel disease) (1 Hours) 22. Inpatient bedside practice applications (General and problem-oriented history taking, Obesity, Metabolic syndrome, Diabetes mellitus) (1 Hours) 23. Inpatient bedside Practice applications (General and Problem-oriented history taking, Upper gastrointestinal system bleeding, Lower gastrointestinal system bleeding) (1 Hours) 24. Inpatient bedside practice applications (General and problem-oriented history taking; Evaluation of general condition and vital signs) (4 Hours) 25. Inpatient bedside practice applications (Taking a general and problem-oriented history, Preparing health reports in accordance with current legislation) (1 Hours) 26. Inpatient bedside practice applications (Taking history for general condition and problem, Evaluation of general condition and vital signs, Arranging death certificate, Prescribing, Applications of rational drug use principles, Irritable bowel disease) (1 Hours) 27. Inpatient bedside practices (evaluation of general condition and vital signs, Consciousness evaluation, Glasgow and AVPU coma scale evaluation, Patient file preparation) (1 Hours) 28. Inpatient bedside practices (General and problem-oriented history taking, Arterial blood gas collection, Patient file preparation, Goiter, Fluid-electrolyte balance disorders) (1 Hours) 29. Inpatient bedside practices (General and problem-oriented history taking, Evaluation of general condition and vital signs, Epicrisis preparation, Acute abdomen syndrome, Appendicitis) (1 Hours) 30. Medical Oncology and Hematology case analyzes (1 Hours) 31. Nephrology case analyzes (1 Hours) 32. Physical examination time (Abdominal, Consciousness, Skin, General Condition and Vital Findings, Cardiovascular, Musculoskeletal, Breast and axillary, Neurological, Respiratory) (6h) 33. Practical applications at the bedside (General and problem-oriented history taking, Patient file preparation, Acute kidney failure, Chronic kidney failure, Vitamin D deficiency) (1 Hours) 34. Rheumatology case analyzes (1 Hours) 35. taking, Evaluation of general condition and vital signs)(1 Hours)	
Others:	
1. Cholecystitis, cholelithiasis (1 Hours)	
2. Clerkship and clerkship exam evaluation meeting (1 Hours)	
3. Coordinatorship Meeting (2/2) (1 Hours)	
4. End-of-clerkship evaluation exam (Oral practice exam) (1 Hours)	

5. End-of-clerckship evaluation exam (Practical ezamination on bedside) (1 Hours)
6. End-of-clerckship evaluation exam (Theoretical) (1 Hours)
7. Free working times (Individual research for case analysis) (1 Hours)
8. Free working times (Library) (1 Hours)
9. Interview with the Dean (2/2) (1 Hours)
10. Interview with the Mentor (2 Hours)
11. Introduction to Internal Medicine Clerckship (2 Hours)
12. Meeting with the mentor (2 Hours)
13. Oncological emergencies with cases (1 Hours)
14. Theoretical exam evaluation meeting