

THIRD YEAR - AUTUMN SEMESTER (05), SPRING SEMESTER (06)

CLINICAL CHEMISTRY AND LABORATORY DIAGNOSTICS

credits: 9,6

Lectures:	3MED1101	58 h
Contents:	Hematology and hemostasiology, hemophilia, thrombophilia, disorders of lipid metabolism, atherosclerosis, diagnosis of myocardial infarction and of heart failure, gastrointestinal disorders, molecular diagnostics, allergy testing, renal diseases and hyperuricemia, liver diseases, therapeutic drug monitoring, transplantation monitoring, rheumatological disorders, diabetes and other endocrinological disorders, emergency medicine, point-of-care testing, neurological disorders, acute-phase reaction, malignant transformation and tumor markers, genomics and proteomics, acid-base analysis, gynecology, quality control	
Practical training:	3MED3202	49 h
Contents:	Modern techniques of clinical-chemical laboratory diagnosis, interpretation of laboratory data, laboratory management	
<u>Assessment:</u>	<u>only autumn semester</u>	

EPIDEMIOLOGY (QSB 1)

credits: 3,9

Lectures:	3MED1103	28 h
Practical training:	3MED3204	18 h
Contents:	Principles of epidemiology	
<u>Assessment:</u>	<u>only autumn semester</u>	

GENERAL PATHOLOGY

credits: 10,2

Lectures:	3MED1105	68 h
Contents:	Cellular adaptation, cell injury and death, tissue responses to damage, inflammation, Immunopathology, genetical diseases, neoplasia, infective, environmental, and nutritional factors of disease, diseases of the cardio-vascular and endocrinal system, metabolic diseases, morphological principles of diseases of the respiratory, gastrointestinal, urinary, and central nervous system.	
Course:	3MED3206	49 h
Contents:	Histological course in general and Special Pathology including Neuropathology (75 microscopical slides parallel to the lectures)	
<u>Assessment:</u>	<u>only autumn semester</u>	

INFECTIOLOGY/MEDICAL IMMUNOLOGY (POL 1; part I of QSB 4)

credits: 4,5

Lectures:	3MED1107	15 h
Contents:	Functional Anatomy of the lymphatic system, molecular basis of Immunology, Physiology and Pathology of the immune reaction, defence against infections, diseases of the immune system, Immunology of transplantations	
Tutorium:	3MED3208	29 h
Contents:	Clinical relevant immunological tests and their purpose	
<u>Assessment:</u>	<u>only spring semester</u>	

INTRODUCTION TO CLINICAL MEDICINE A COURSE IN THE LEARNING CLINIC	credits: 3,6
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Course: 3MED3209
Contents:
Assessment: *only autumn semester*

INTERNAL MEDICINE	credits: 7,1
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Lectures: 3MED1110 55 h
Contents: Introduction in the techniques of physical examination. Grand rounds in Internal Medicine. A lecture series held by experienced consultants presenting the main fields in Internal Medicine.

Practical course: 3MED3211 30 h
Contents: Bedside Teaching
Introduction to Clinical Medicine. Case presentations and discussions. Opportunity for direct contacts to patients. Discussion of clinical and laboratory results with the supervisor. Assessment of the case history, methods of physical examination (inspection, palpation, percussion, and auscultation of thorax, heart, vessels, abdomen).

Assessment: *only autumn semester*

MEDICAL MICROBIOLOGY/VIROLOGY/HYGIENE	credits: 11,5
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Lectures: 3MED1112 78 h
Contents: All aspects of Clinical Microbiology including Virology, Bacteriology, Mycology, Parasitology, Immunology of infectious diseases, diagnostic procedures and infectious disease management.

All aspects of Hygiene Management
Practical training: 3MED3213 55 h medical Microbiology
Contents: Conventional and molecular methods of isolation and identification of pathogens, detection of antibodies against pathogens employing different assay systems, methods of Assessment of the immune system, susceptibility testing of antimicrobial agents.

Assessment: *only spring semester*

PHARMACOLOGY/TOXICOLOGY	credits: 9,7
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Lectures: 3MED1114 58 h
Contents: General pharmacodynamic and -kinetic, manipulation of the sympathetic, parasympathetic, motoric, sensitive and central nervous system, antiarrhythmics, positive inotropic substances, broncho-dilatators, relaxants of the vascular muscles, diuretics and antidiuretics, volume- and electrolyte substitution, manipulation of the haematopoietic system and coagulation, tissue hormones and their antagonists, manipulation of gastrointestinal functions and the immune system, agonists and antagonists at opioid receptors, cyclooxygenase inhibitors and antirheumatics, manipulation of the uric acid, lipid and bone metabolism, proteo- and steroid hormones, antibiotics, cytostatics, toxic substances.

Course: **3MED3215** 50 h
Contents: General and Systemic Pharmacology, consolidation of knowledge
Assessment: only spring semester

PRINCIPLES OF RADIOLOGY (QSB 11)	credits: 1,0
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Lectures: **3MED1116** 8h
Contents: Physical principles and qualities of X-rays, methods of diagnostic imaging, procedures of interventional radiology, biological effects of radiation, basis principles of modern radiotherapy, methods of protection from irradiation, principles of nuclear medicine.
Physics of radiation beams, biological effects of radiation, technical equipments of diagnostic imaging, radiotherapy and nuclear medicine.

Course: **3MED3217** 4 h
Assessment: only autumn semester

HISTORY OF MEDICINE/ETHICS (QSB 2)	credits: 2,7
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Lectures: **3MED1118** 28 h
Contents: History of ideas and concepts of medicine, social developments, professionalization, alternative therapies
Assessment: only spring semester

Course: **3MED3219** 8 h
Interdisciplinary course in Principles of History of Medicine or Ethics
Assessment: available in autumn semester

FOURTH YEAR – AUTUMN SEMESTER (07), SPRING SEMESTER (08)

ANAESTHESIOLOGY credits: 1,6 lectures and 2,5 practical training

Lectures: **4MED1120** 30 h
Contents: Principles of anaesthetic techniques
Assessment: *only autumn semester*

Practical training: **4MED3221** 24 h (Anaesthesiology I + II, 12 h each)
Contents: Principles of anaesthetic techniques, Bedside teaching
Assessment: *available in autumn or spring semester*

CLINICAL PHARMACOLOGY (part I of QSB 9) credits: 1,2 lectures and 2,1 courses

Lectures: **4MED1122** 23 h
Contents: Principles of Clinical Pharmacology
Assessment: *only spring semester*

Course: **4MED3223** 20 h
Contents: Drug and haemostasis, drug therapy of anaemias and hyperlipaemias, drug treatment of rheumatoid diseases and gout, diuretic drugs, therapy of fluid and electrolyte disorders. Drug treatment of disorders of the respiratory system (incl. bronchial asthma), chemotherapy of bacterial, viral, protozoal, helminthic infections and neoplastic diseases, pharmacotherapy of gastrointestinal disorders and endocrinopathies, drug therapy of diseases of the central nervous system (incl. addiction, dependence and abuse), pain and analgesics
Assessment: *available in autumn or spring semester*

CLINICAL RADIOLOGY (QSB 11) credits: 1,1 lectures and 3,1 courses

Lectures: **4MED1124** 21 h
Contents: Principles of Clinical Radiology
Assessment: *only spring semester*

Course: **4MED3225** 30 h
Contents: Demonstration of typical clinical cases of all parts of Diagnostic Radiology. Special problems of Clinical Radiotherapy
Assessment: *available in autumn or spring semester*

DERMATOLOGY, VENEROLOGY credits: 1,4 lectures and 2,1 practical training

Lectures: **4MED1126** 27h
Contents: Overview of Dermatology and systemic introduction in the field, presentation and histology of the main diseases in Dermatology, presentation of Dermatology and its subspecialties
Assessment: *only spring semester*

Practical training: **4MED3227** 20 h (Course I and II)
 Contents: Diagnosis and therapy of dermatological diseases referring to macromorphological and micromorphological examinations, demonstration of patients, visits at out-patient clinic and normal wards
Assessment: available in autumn or spring semester

EMERGENCY MEDICINE/FIRST AID (POL II; QSB 8)	credits: 1,5 lectures,3,2 tutorial and 0,8 practical training
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Lectures: **4MED1128** 27 h
Tutorial: **4MED3229** 31 h
Practical training: **4MED3230** 8 h
 Contents: Vital functions and death, rescue and transport of injured persons, acute disturbances of respiration, cardio-vascular system, and central nervous system, acute disturbances of glucose metabolism. Reanimation, vasal access, intubation, etc.
Assessment: the whole subject only autumn semester

ENVIRONMENTAL MEDICINE (QSB 6)	credits: 0,7 lectures and 0,4 courses
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Lectures: **4MED1131** 14h
Assessment: only autumn semester
Course: **4MED3232** 4 h
 Contents: Principles of environmental medicine
Assessment: available in autumn or spring semester

GENERAL MEDICINE	credits: 1,4 lectures and 4,1 practical training
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Lectures: **4MED1133** 27 h
 Contents: Organisation of office practice, Health Education, spectrum of diseases in General Medicine, Family Medicine, case presentations in Geriatrics, multimorbidity, terminal care, prevention of cancer and after-care
Assessment: only spring semester
Practical training: **4MED3234** 39 h
 Contents: Practical knowledge about daily demandings in the General Medicine office
Assessment: available in autumn or spring semester

GYNAECOLOGY AND OBSTETRIC	credits: 1,4 lectures and 2,1 practical training
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Lectures: **4MED1135** 27 h
 Contents: All relevant topics of Gynaecology (Gynaecological Endocrinology, the female hormonal cycle, hypothalamic-hypophysial axis, disturbances in ovarian function, puberty, menopause, climacteric disturbances. Fertility control: contraceptives, infertility, artificial reproductive technology. Infections: discharge, vulvitis, vaginitis, ascending genital infections)

Normal and high risk pregnancy, prenatal care. Normal and risk delivery, birth mechanism, puerperium, premature birth, gemini, abnormal presentation of the foetus, obstetrics operations: forceps, vacuum extractor, Caesarean section, gynaecological Physiology and Pathology, congenital malformations, examination techniques

Assessment: only autumn semester

Practical training: **4MED3236** 20 h (Gynaecology I + II, 10 h each)
 Contents: Practical work at the delivery room, Bedside teaching, Practical work at the gynaecological outpatient department, case presentations, participation in ambulatory and ward care, small group teaching in subspecialties

Assessment: available in autumn or spring semester

HEALTH ECONOMICS (QSB 3)	<u>credits: 0,3 courses</u>
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Practical Course: **4MED3237** 3 h
 Contents: Interdisciplinary course in Principles of Health Economics
Assessment: available in autumn or spring semester

HUMAN GENETICS as part of Paediatrics	<u>credits: 0,7 lectures and 0,4 courses</u>
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Lectures: **4MED1138** 14 h
Assessment: only spring semester

Course: **4MED3239** 4 h
 Contents: Biochemical basis, mutations of the human genome, human chromosomes, chromosome aberrations, formal genetics (Mendel), multifactorial (polygene) inheritance, twins in genetical research, population genetics, metabolic disturbances, genetic diagnostics.
Assessment: available in autumn or spring semester

INFECTIOLOGY/IMMUNOLOGY (part II of QSB 4)	<u>credits: 1,0 practical course</u>
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Course: **4MED3240** 10 h
 Interdisciplinary course in Principles of Immunology
Assessment: available in autumn or spring semester

INTERNAL MEDICINE	<u>credits: 3,1 lectures and 4,2 practical training</u>
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Lectures: **4MED1141** 60 h
 (Cardiology (14), Pulmology (14), Gastroenterology (14), Endocrinology (14), Angiology (4))
 Contents: Grand rounds in Internal Medicine. A lecture series held by experienced consultants who present the main fields in Internal Medicine: Cardiology, Pulmology, Gastroenterology, and Endocrinology
Assessment: only autumn semester

Practical training: **4MED3242** 40 h
 (Cardiology, Pulmology, Gastroenterology, Endocrinology, 10 h each)
 Contents: Cardiology: Management of stable and unstable angina pectoris and myocardial infarction, chronic and acute heart failure,

arrhythmias, valvular heart disease, Bedside teaching, visit at the normal wards, ICU, heart catheter lab, and diagnostic unit.
 Pulmology: Bedside teaching on basics of pulmology, visit at the out-patient clinic and normal wards.

Gastroenterology: Bedside teaching on basics of gastroenterology, Principles of endoscopy, visit at the out-patient clinic and normal wards.

Endocrinology: Bedside teaching on basics of endocrinology, e-learning, case presentations, visit at the out-patient clinic and normal wards.

Assessment: available in autumn or spring semester

PAEDIATRICS	<u>credits: 2,7 lectures and 3,8 practical training</u>
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Lectures:	4MED1143	52 h
Contents:	Neonatology, nutrition, Gastroenterology, infectious diseases, respiratory infections, growth, development, Endocrinology, inborn endocrinological disorders, perinatal infections, Social Paediatrics, infant mortality, Haematology, Haemostaseology, Neuropaediatrics, Cardiology, Cardiologic Emergency, metabolic disorders, Allergology, Immunology, antimicrobial chemotherapy, Oncology, child abuse, intoxications/poisoning, early human development and developmental disabilities in infancy	

Assessment: only spring semester

Practical training:	4MED3244	36 h (Paediatrics I-IV)
Contents:	Small group bed side teaching, guided attendance in the outpatient department or neonatal intensive care Paediatrics I: Management of the wards. Paediatrics II: From hospital admission to clinical follow up after discharge. Paediatrics III: Special fields of Paediatrics (Oncology, Haematology, ICU, Cardiology, Psychiatry, Haemodialysis. Paediatrics IV: Neonatology and Human Genetics	

Assessment: available in autumn or spring semester

Prevention (QSB 10)	<u>credits: 0,4 courses</u>
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Course:	4MED3245	4 h
Contents:	Interdisciplinary course in Principles of Prevention	
<u>Assessment:</u>	<u>available in autumn or spring semester</u>	

SPECIAL PATHOLOGY/CLINICAL-PATHOLOGICAL CONFERENCE (QSB 5)	<u>credits: 2,9 lectures and 2 courses</u>
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Lectures:	4MED1146	55h
<u>Assessment:</u>	<u>only spring semester</u>	

Course: **4MED3247** 19 h
Contents: Demonstration and discussion of autopsy cases with clinicopathological correlation, demonstration of instructive and relevant biopsy and surgical specimens from the main histological laboratory
 Clinical Pathology of heart and vessels, lung and mediastinum, female and male genital organs, urinary tract, breast, pregnancy, gastrointestinal tract, liver, pancreas, haematopoietic and lymphatic system, endocrine organs, tissues and bones, articulations, skin
Assessment: available in autumn or spring semester

TRAUMATOLOGY as part of Surgery I credits: 0,5 lectures and 1,0 practical training

Lectures: **4MED1148** 10 h
Contents: General Traumatology, Out-patient Surgery,
Assessment: only autumn semester

Practical training: **4MED3249** 10 h
Contents: Practical training of simple surgical procedures, Bedside teaching
Assessment: available in autumn or spring semester

UROLOGY credits: 1,4 lectures and 1,0 practical training

Lectures: **4MED1150** 27 h
Contents: Selected questions of Urology
Assessment: only spring semester

Practical training: **4MED3251** 10 h
Contents: Bedside teaching in small groups, physical examination, main urological procedures, interpretation of laboratory data and imaging techniques
Assessment: available in autumn or spring semester

VISCERAL SURGERY credits: 1,6 lectures and 2,1 practical training

Lectures: **4MED1152** 31 h
 (Visceral Surgery I + II
Contents: General Surgery, Out-patient Surgery, Special (visceral + thoracical) Surgery
Assessment: only autumn semester

Practical training: **4MED3253** 20 h
 (Visceral Surgery I +II, 10 h each)
Contents: Practical training of simple surgical procedures, Bedside teaching
Assessment: available in autumn or spring semester

FIFTH YEAR - AUTUMN SEMESTER (09), SPRING SEMESTER (10)

CARDIAC SURGERY

credits: 0,6 lectures and 1,2 practical training

Lectures:

5MED1154 10 h

Contents:

Principles of aortocoronary bypass surgery, valve replacement and reconstruction, HTX/LTX, surgery of congenital diseases, assist devices, minimal-invasive surgery

Assessment:

only autumn semester

Practical Training:

5MED3255 10 h

Contents:

Bedside Teaching, the above mentioned topics

Assessment:

available in autumn or spring semester

CLINICAL PHARMACOLOGY (part II of QSB 9)

credits: 1,9 lectures and 1,0 course

Lectures:

5MED1156 31 h

Contents:

drug therapies in different diseases of internal medicine, above mentioned topics

Assessment:

only autumn semester

Course:

5MED3257 8 h

Assessment:

Interdisciplinary course in Principles of Clinical Pharmacology
available in autumn or spring semester

ELECTIVE COURSE

credits: 3,3 practical course

Practical Course:

5 MED3258 27 h

Contents:

Selection from different fields of activity

Assessment:

available in autumn or spring semester

ENVIRONMENTAL MEDICINE (QSB 6)

credits: 0,2 course

Course:

5MED3259 2 h

Contents:

Principles of environmental medicine

Assessment:

available in autumn or spring semester

FORENSIC MEDICINE

credits: 1,7 lectures and 1,9 practical training

Lectures:

5MED1160 28 h

Contents:

Diagnosis of death, death certificate, time of death, identification, sudden natural death, death by blunt force, sharp force and firearms, asphyxia, drowning, fire injury, cold injury, electrical injury, child abuse, infanticide, drug abuse, intoxication, traces, Forensic Thanatology, Psychopathology, traffic accidents, medical jurisprudence

Assessment:

only autumn semester

Practical Training:

5MED3261 16 h

Contents:

mentioned above

Assessment:

available in autumn or spring semester

GERIATRICS (POL III, QSB 7)credits: 1,5 lectures, 2,9 practical course and
0,8 course**Lectures (POL III):** **5MED1162** 25 hAssessment: only spring semester**Tutorial (POL III):** **5MED3263** 24 hAssessment: only spring semester**Course (QSB):** **5MED3264** 7 h

Contents: Principles of geriatrics

Assessment: available in autumn or spring semester**HEALTH ECONOMICS (QSB 3)**

credits: 1,2 lectures and 0,1 courses

Lectures: **5MED1165** 20 h

Contents: Principles of health economics

Assessment: only autumn semester**Course:** **5MED3266** 1 h

Contents: Principles of health economics

Assessment: available in autumn or spring semester**INFECTIOLOGY/IMMUNOLOGY (part II of QSB 4)**

credits: 0,8 lectures and 0,5 courses

Lectures: **5MED1167** 14 h

Contents: Interdisciplinary course in Principles of Immunology

Assessment: only spring semester**Course:** **5MED3268** 4h

Contents: Interdisciplinary course in Principles of Immunology

Assessment: available in autumn or spring semester**INTERNAL MEDICINE**

credits: 2,5 lectures and 3,6 practical training

Lectures: **5MED1169** 42 h

[Infection and tropical medicine 5 h (0,3), Rheumatology 12 h (0,7), Nephrology 8 h (0,5), Haematology 12 h (0,7), Intensive Care 5 h (0,3)]

Contents: Grand rounds in Internal Medicine. A lecture series held by experienced consultants who present the following fields in Internal Medicine: Infection and tropical medicine, Rheumatology, Nephrology, Intensive Care

Assessment: only spring semester**Practical Training:** **5MED3270** 30 h

[Geriatrics 6 h (0,7), Rheumatology 10 h (1,1), Haematology, 6 h (0,7), Nephrology 4 h (0,4) and Intensive Care 4 h (0,4)]

Contents: Rheumatology: Bedside teaching on basics of rheumatology, case presentations, visit at the out-patient clinic and normal wards. Haematology: Bedside teaching on basics of haematology, case presentations, visit at the out-patient clinic and normal wards.

Geriatrics: Bedside teaching on basics of geriatrics, visit at the normal wards.

Assessment:

available in autumn or spring semester

NEURO SURGERY as part of Surgery II credits: 0,5 lectures and 1,2 practical training

Lectures: **5MED1171** 9 h

Contents: Traumatic diseases of the CNS, tumours of the CNS including pituitary adenomas, hydrocephalus, vascular malformations including SAH, degenerative disorders of the spine, Surgery of peripheral nerves

Assessment: only autumn semester

Practical Training: **5MED3272** 10 h

Contents: Indications for neurosurgical operations

Assessment: available in autumn or spring semester

NEUROLOGY credits: 1,6 lectures and 2,2 practical training

Lectures: **5MED1173** 26 h

Contents: Diagnosis and treatment of neurologic disorders with presentation of patients

Assessment: only autumn semester

Practical Training: **5MED3274** 18 h (Neurology I and II, 9 h each)

Contents: Neurologic bedside teaching with examination of patients in small groups and obtaining of case history, teaching of neurologic syndromes

Assessment: available in autumn or spring semester

OCCUPATIONAL MEDICINE credits: 0,4 lectures and 0,4 courses

Lectures: **5MED1175** 7 h

Contents: Stress-strain-concept, dangerous chemical substances, physical effects on people, occupational diseases, problems of occupational injuries. Problems of Occupational Medicine in the hospital, Clinical Occupational Medicine, psychophysiological methods in Occupational Medicine, Occupational Toxicology, Ergonomy, occupational accidents, Preventive Occupational Medicine, cooperation with Occupational Health Care Units, dangerous substances at workplace and in environment (analysis)

Assessment: only autumn semester

Course: **5MED3276** 3 h

Assessment: available in autumn or spring semester

OPHTHALMOLOGY credits: 1,6 lectures and 1,2 practical training

Lectures: **5MED1177** 27 h

Contents: Special and scientific problems in Ophthalmology

Assessment: only spring semester

Practical Training: **5MED3278** 10 h

Contents: Clinical Ophthalmology, systematic review of Ophthalmology and

Assessment: repetition of examination techniques
available in autumn or spring semester

ORAL AND MAXILLOFACIAL SURGERY as part of Surgery II	credits: 0,6 lectures and 0,5 practical training
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Lectures: **5MED1179** 10h
Contents: Main diseases of teeth, mouth and jaw with relevance for the physician
Assessment: only autumn semester

Practical Training: **5MED3280** 4 h
Contents: mentioned above
Assessment: Practical training is necessary for admission to the second state exam
Assessment: available in autumn or spring semester

ORTHOPAEDICS	credits: 1,6 lectures and 2,4 practical training
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Lectures: **5MED1181** 27 h
Contents: Different aspects of Orthopaedics with patient demonstration, sport injuries and late damages
Assessment: only autumn semester

Practical Training: **5MED3282** 20 h (Orthopaedics I and II, 10 h each)
Contents: Bedside demonstration of in-patients, introduction to out-patients department, additional lessons in the Department of Physical Therapy as well as in the Workshop of Technical Orthopaedics
Assessment: available in autumn or spring semester

OTORHINOLARYNGOLOGY	credits: 1,6 lectures and 2,4 practical training
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Lectures: **5MED1183** 27 h
Contents: Main ENT-diseases including case presentations, diagnosis and therapy, examination techniques. Diagnosis and treatment of tumours, foreign bodies and trauma in the ENT region, diagnosis and treatment of conductive and sensorineural hearing loss, otosclerosis, Mb. Ménière, epistaxis, nasal allergy, nasal polyposis.
Assessment: only spring semester

Practical Training: **5MED3284** 20 h (Course I and II, 10 h each)
Contents: Main examination techniques of ear, nose and throat. Clinical aspects of ENT-diseases with case presentations, examination techniques (mutual examination)
Assessment: available in autumn or spring semester

PAEDIATRIC SURGERY	credits: 0,5 lectures and 0,7 practical training
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Lectures: **5MED1185** 9 h
Contents: Common and specialised Paediatric Surgery: Neonatal Surgery, Abdominal Surgery, Paediatric Neurosurgery (hydrocephalus, myelomeningocele), treatment of solid tumours in childhood, Paediatric Urology, Plastic Surgery and surgical treatment of thermal

injury, general management of major injuries (cerebral, thoracic, abdominal trauma, polytrauma), Paediatric Trauma Surgery and Orthopaedics. Acute abdomen, Ambulatory and Day Surgery, patient handling, Traumatology (elbow and ankle joint injuries, acute head injuries), Neurosurgery (internal hydrocephalus, spina bifida, craniostenosis), Laser and Cryosurgery

Assessment: only autumn semester

Practical training: **5MED3286** 6 h

Contents: bedside teaching

Assessment: available in autumn or spring semester

PAIN MEDICINE (QSB 14) credits: 0,5 lectures and 0,5 courses

Lectures: **5MED1187** 8h

Assessment: only spring semester

Course: **5MED3288** 4 h

Contents: Principles of pain medicine

Assessment: available in autumn or spring semester

PALLIATIVE MEDICINE (QSB 13) credits: 0,7 lectures and 0,6 courses

Lectures: **5MED1189** 11 h

Assessment: only spring semester

Course: **5MED3290** 5 h

Interdisciplinary course in Principles of Palliative Medicine

Assessment: available in autumn or spring semester

PREVENTION (QSB 10) credits: 0,8 lectures and 0,7 courses

Lectures: **5MED1191** 14 h

Assessment: only spring semester

Course: **5MED3292** 6 h

Interdisciplinary course in Principles of Prevention

Assessment: available in autumn or spring semester

PSYCHIATRY credits: 1,6 lectures and 2,7 practical training

Lectures: **5MED1193** 27 h

Contents: Suicide, crisis management, forensic psychiatry, anxiety disorders, family psychiatry, psychiatry in general practice, child and adolescent psychiatry. Affective disorders, Psychotherapy, drug and alcohol abuse, personality disorders, psychosomatic disorders, schizophrenia, Psychopharmacology

Assessment: only autumn semester

Practical Training: **5MED3294** 22 h (Psychiatry I and II, 11 h each)
 Contents: Management of patients with affective disorders, Psychotherapy, personality disorders, psychosomatic disorders, suicide and crisis management.
Assessment: Practical training is necessary for admission to the second state exam
Assessment: available in autumn or spring semester

PSYCHOSOMATIC MEDICINE	<u>credits: 1,6 lectures and 2,4 practical training</u>
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Lectures: **5MED1195** 27 h
 Contents: Introduction to the theory of the aetiology, symptoms and pathogenesis of psychogenetic diseases, introduction to the main methods of Psychotherapy
Assessment: only autumn semester

Practical Training: **5MED3296** 20 h (Psychosomatics I and II, 10 h each)
 Contents: Practical exercises in biographic anamnesis of psychosomatic patients, including reflections to aetiology, pathogenesis and therapy of psychosomatic disorders
Assessment: available in autumn or spring semester

REHABILITATION (QSB 12)	<u>credits: 0,8 lectures and 0,6 courses</u>
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Lectures: **5MED1197** 14 h
 Contents: Principles of rehabilitation programs
Assessment: only spring semester

Course: **5MED3298** 5 h
 Interdisciplinary course in Principles of Rehabilitation
Assessment: available in autumn or spring semester

SPECIAL PATHOLOGY/CLINICAL-PATHOLOGICAL CONFERENCE (QSB 5)	<u>credits: 0,7 courses</u>
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Course: **5MED3299** 6 h
 Contents: Demonstration and discussion of autopsy cases with clinicopathological correlation, demonstration of instructive and relevant biopsy and surgical specimens from the main histological laboratory
 Clinical Pathology of heart and vessels, lung and mediastinum, female and male genital organs, urinary tract, breast, pregnancy, gastrointestinal tract, liver, pancreas, haematopoietic and lymphatic system, endocrine organs, tissues and bones, articulations, skin
Assessment: available in autumn or spring semester

**SIXTH YEAR - PRACTICAL YEAR
(SEMESTER 11 and 12)**

After the successfully completed clinical part of the study students have to attend the Practical Year at University Hospitals or affiliated Academic Teaching Hospitals (*Akademische Lehrkrankenhäuser*). The education is divided into 3 parts per 16 weeks. Surgery and Internal Medicine are mandatory parts of the practical year. The third subject can be chosen individually. Students work at the hospital under the guidance of a full-licensed physician. Participation at clinical meetings, discussions and conferences form another part of the training. Along with the duty on the ward goes a theoretical training. The Practical Year ends with the second part of the State Examination.

SURGERY, INTERNAL MEDICINE OR AN OTHER CLINICAL SUBJECT

credits: 20

Practical Course: **6MED3300** 640 h = 3 x 16 weeks

Assessment: *only possible for foreign students when academic subject were acknowledged by:*
Bezirksregierung Düsseldorf
Dez. 24
Landesprüfungsamt für Medizin, Psychotherapie und Pharmazie
Fischerstr. 10
40477 Düsseldorf
Tel. 0211 4750

COMPARISON OF GRADING SCALES

German Grading Scale	Definition	ECTS Grading scale	Definition
1	Excellent: Outstanding performance with only minor errors	A	Excellent: Outstanding performance with only minor errors
2	Good: Above the average standard but some errors	B	Very good: Above the average standard but with some minor errors
3	Satisfactory: Generally sound work with a number of notable errors	C	Good: Generally sound work with a number of notable errors
4	Sufficient: Performance meets the minimum criteria	D	Satisfactory: Fair but with significant shortcomings
-		E	Sufficient: Performance meets the minimum criteria
5	Fail: Some more work required before the credit can be	FX	Fail: Some more work required before the credit can be awarded
6	Fail: Considerable further work is required	F	Fail: Considerable further work is required