

## TO WHOM IT MAY CONCERN

Please be advised that students are taught during the preclinical period of 3 years in Faculty of Medicine at the Hashemite University according to organ system modules: Endocrine system, Digestive system, Skin and Locomotor system, Cardiovascular system, Respiratory system, Blood and Lymphoreticular system, Neurosciences 1&2 and Genitourinary system. Please take note that each system contains the basic medical sciences: Anatomy, Embryology & Histology, Physiology, Pathology, Microbiology, Molecular Biology & Biochemistry, Pharmacology, and Community Medicine relevant to that particular system.

The total number of contact (working) hours spent in each branch of basic medical sciences in the first 3 years is as follows:

- Anatomy, Embryology & Histology = 346
- Physiology = 135
- Pathology = 196
- Microbiology = 139
- Molecular Biology & Biochemistry = 139
- Pharmacology = 136

A detailed comparison between subjects taught at the Faculty of Medicine of the Hashemite University and a typical German curriculum can be seen below.

Subject in German Medical Curriculum	Equivalent subject in University of Jordan, Faculty of Medicine Curriculum
Physik für Mediziner	General Physics for Medical Students (48)
Chemie für Mediziner	General Chemistry 1 (48), Organic Chemistry for non-majors (48) <b>Total= 96</b>
Biologie für Mediziner	General Biology 1 (48) , General Practical Biology 1 (48) <b>Total= 96</b>
Physiologie	General Physiology (32) , The Respiratory System (13) , The Cardiovascular System (23), Hematopoietic System (12) , The Endocrinology System (12), The Digestive System (8), Skin and Locomotors System (3), The Genitourinary System (13), Neurosciences 1 (10), Neurosciences 2 (9). <b>Total= 135</b>
Biochemie/Molekularbiologie	General Biochemistry (48) , Principles of Genetics and Molecular Biology (32), Cell Biology (15), The Respiratory System (4) , The Cardiovascular System

	(8), Hematopoietic System (7) , The Endocrinology System (9), The Digestive System (4), Skin and Locomotors System (4), The Genitourinary System (3), Neurosciences 1 (5). <b>Total = 139</b>
Anatomie	General Anatomy (74), Histology (64), The Respiratory System (16) , The Cardiovascular System (23), Hematopoietic System (8) , The Endocrinology System (6), The Digestive System (30), Skin and Locomotors System (50), The Genitourinary System (26), Neurosciences 1 (27), Neurosciences 2 (22). <b>Total= 346</b>
Medizinische Psychologie und Medizinische Soziologie	Clinical Psychology (48)
Medizinische Terminologie	English Language 1 (48), English Language 2 (48) <b>Total= 96+ Covered in Anatomy &amp; Embryology</b>
Einführung in die klinische Medizin	Introduction to Clinical Medicine and Medical Ethics (320)
Allgemeinmedizin, Innere Medizin	General Internal Medicine 1 (400), Family Medicine (80), General Internal Medicine 2 (320) <b>Total= 800</b>
Anästhesiologie	<b>Covered in General Surgery and Anesthesia 1</b>
Arbeitsmedizin, Sozialmedizin	Occupational & Environmental Health and Field Project (48)
Augenheilkunde	Ophthalmology (80)
Chirurgie	General Surgery and Anesthesia 1 (400), Neurosurgery (80), General Surgery 2 (320). <b>Total= 800</b>
Dermatologie, Venerologie	Dermatology (80)
Frauenheilkunde, Geburtshilfe	Obstetrics & Gynecology 1 (400), Obstetrics& Gynecology 2 (320). <b>Total= 720</b>
Hals-Nasen-Ohrenheilkunde	Otolaryngology (ENT) (80)
Humangenetik	Principles of Genetics & Molecular Biology (32) + <b>covered in Obstetrics and Gynecology</b>
Hygiene, Mikrobiologie, Virologie	General Microbiology (64), The Respiratory System (16) , The Cardiovascular System (1), Hematopoietic System (8) , The Digestive System (15), Skin and Locomotors System (10), The Genitourinary System (15), Neurosciences 1 (5), Neurosciences 2 (5). <b>Total= 139</b>
Kinderheilkunde	Pediatrics 1 (400), Pediatrics 2 (320) <b>Total= 720</b>

Klinische Chemie, Laboratoriumsdiagnostik	Covered in the Modular System by Laboratory Sessions of: Microbiology Lab. Sessions (27), Physiology Lab Sessions (18), Biochemistry Lab Sessions (12) <b>Total= 50</b> And Covered in Medicine -1 & -2, Urology, Immunology, Obstetrics & Gynecology.
Neurologie	Clinical Neurosciences ( <b>160</b> )
Orthopädie	Orthopedics (160)
Pathologie	General Pathology (50) ,The Respiratory System (15) , The Cardiovascular System (9), Hematopoietic System (18) , The Endocrinology System (6), The Digestive System (29), Skin and Locomotors System (16), The Genitourinary System (32), Neurosciences 1 (11), Neurosciences 2 (10) <b>Total=196 + clinical pathological aspects are covered in Medicine -1 &amp; -2 as per Module</b>
Pharmakologie, Toxikologie	General Pharmacology (32), The Respiratory System (7) , The Cardiovascular System (8), Hematopoietic System (8) , The Endocrinology System (7),The Digestive System (5), Skin and Locomotors System (8),The Genitourinary System (6), Neurosciences 1 (8), Neurosciences 2 (7) ,Toxicology hours of Forensic Medicine and Toxicology (40). <b>Total = 136</b>
Psychiatrie und Psychotherapie, Psychosomatische Medizin und Psychotherapie	Psychiatry ( <b>160</b> )
Rechtsmedizin	Forensic Medicine and Toxicology ( <b>80</b> )
Urologie	Urology ( <b>80</b> )
Querschnittsbereich „Epidemiologie, medizinische Biometrie und medizinische Informatik“	Epidemiology and Biostatistics ( <b>48</b> )
Querschnittsbereich „Geschichte, Theorie, Ethik der Medizin“	Covered in Introduction To Clinical Medicine & Clinical Ethics ( <b>320</b> )
Querschnittsbereich „Gesundheitsökonomie, Gesundheitssystem, Öffentliche Gesundheitspflege“	Introduction to Community Medicine ( <b>48</b> )
Querschnittsbereich „Infektiologie, Immunologie“	Introduction to Medical Immunology (32), <b>Infektiologie covered by a 80 hour rotation student has to take either in Medicine-1 or Medicine-2. Total = 112</b>

Querschnittsbereich „Klinische pathologische Konferenz“	Laboratory Sessions in Introduction to Pathology (24) + <b>Covered in the Modular System by Clinical Laboratory Sessions of Pathology: (60) Total = 84</b>
Querschnittsbereich „Klinische Umweltmedizin“	Occupational & Environmental Health and Field Project (48) , Principles of Environmental Science (48). <b>Total = 96</b>
Querschnittsbereich „Medizin des Alterns und des alten Menschen“	Covered in Medicine -1 & -2
Querschnittsbereich „Notfallmedizin“	Emergency Medicine ( <b>320</b> )
Querschnittsbereich „Klinische Pharmakologie/Pharmakotherapie“	Covered in Medicine-2
Querschnittsbereich „Gesundheitsförderung“	Covered in curriculum of relevant clinical rotation
Querschnittsbereich „Bildgebende Verfahren, Strahlenbehandlung, Strahlenschutz“	Diagnostic Radiology ( <b>80</b> )
Querschnittsbereich „Rehabilitation, Physikalische Medizin, Naturheilverfahren“	Covered in Orthopedics and Trauma, and in Community Medicine
Querschnittsbereich „Palliativmedizin“	Covered in Medicine -1 & -2
Wahlfächer	Elective Clinical Training ( <b>320</b> ) during 6 <sup>th</sup> year
<b>Praktisches Jahr (12 Monate) = Internship Year (12 Months)</b>	
Innere Medizin (4 Monate)	Internal Medicine (3 Months)
Chirurgie (4 Monate)	General Surgery (3 Months)
Wahlfach (4 Monate)	Obstetrics and Gynecology (2 Months), Pediatrics (2 Months), Emergency Department (1 Month), Elective Course (1 Month)

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