

Introduction

Module title	Introduction	
Module coordinator	Dagmar Maske	
Contact at MHB	Dagmar Maske	
Timescale	1st year	1st semester
Duration	1 week	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	POL	8
	Lecture	2
	Internship	6
	Total	16
ECTS	Included in module "Emergency Medicine I"	
Location	Neuruppin	
Other institutions involved in the module	-	
Module description	This module introduces students to MHB teaching formats. During the introduction week students have the opportunity to familiarise themselves with all programme and module coordinators, locations and events.	
Further information	For more details and descriptions of courses see the module manual.	
Resources (literature, links)	Introductory booklet	

Emergency Medicine I

Module title	Emergency Medicine I	
Module coordinator	Dr. Eric Weidmann	
Contact at MHB	Simone Dors	
Timescale	1st year	1st semester
Duration	1 week	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	POL	4
	IDS	10
	Lecture	2
	Total	16
ECTS	3	
Location	Neuruppin	
Other institutions involved in the module	-	
Module description	The module addresses basic measures of resuscitation. It gives a general overview of cardiovascular disorders, disturbances of respiration and consciousness, indications of fractures and immobilisation options, basic types of anxiety, as well as mental defence mechanisms in the handling of emergency situations.	
Further information	First-aid certificate For more details and descriptions of courses see the module manual.	
Methods of examination and feedback	Modules conclude with a written multiple choice test and a combined practical test at the end of the semester.	

Musculoskeletal System

Module title	Musculoskeletal System	
Module coordinator	Prof. Dr. Roland Becker	
Contact at MHB	Simone Dors	
Timescale	1st year	1st semester
Duration	6 weeks	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	POL	32
	TRIK	9
	IDS	24
	Lecture	1
	Internship	18
	ÜDT	12
	Total	96
ECTS	12	
Location	Neuruppin	
Other institutions involved in the module	Department of Regulatory Medicine, University of Potsdam, Orthopaedics Clinic, Wriezen Hospital	
Module description	<p>Major topics:</p> <ol style="list-style-type: none"> 1. General anatomy: skeleton and joints 2. Clinical anatomy of lower and upper extremities 3. Histology and metabolism of cartilage and connective tissue 4. Mobility tests / range of motion in upper and lower extremities 5. Introduction to imaging 6. Revision of physical parameters such as force, motion, lever rule 7. Clinical pictures, e.g. gonarthrosis, ankle fracture, anterior cruciate ligament rupture 	
Further information	For more details and descriptions of courses see the module manual.	
Methods of examination and feedback	Modules conclude with a written multiple choice test and a combined practical test at the end of the semester.	
Resources (literature, links)	<ul style="list-style-type: none"> • Joachim Grifka & Jürgen Krämer Lehrbuch der Orthopädie und Unfallchirurgie, Springer-Verlag • Christian Müller-Mai Axel Ekkernkamp, Frakturen auf einen Blick Springer-Verlag • Clinical Orthopaedic Examination 6th Edition Ronald McRae, ISBN-13: 978-0702033933 	

Cardiovascular System

Module title	Cardiovascular System	
Module coordinator	Prof. Dr. Christian Butter	
Contact at MHB	Simone Dors	
Timescale	1st year	1st semester
Duration	6 weeks	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	POL	32
	TRIK	9
	IDS	24
	Lecture	1
	Internship	18
	ÜDT	12
	Total	96
ECTS	12	
Location	Neuruppin	
Other institutions involved in the module	Immanuel Diakonie Bernau	
Module description	<p>The module introduces you to the importance and function of the human heart and its central role in the circulatory system. It imparts the basic understanding of regulatory circuits and regulatory mechanisms in the body that control blood pressure and ensure the balance of fluid as well as physiological adaptation to stress. Complex interactions, especially of kidney and heart, but also of vessels and blood are discussed to some extent. The central role of the kidney for fluid volume control and blood pressure regulation are addressed. The cardiac conduction system and the mechanics of the heart with the valve functions are central for further understanding of the heart. How does a healthy heart compared to a damaged heart respond to changes in volume and pressure? You will also learn the basics of imaging and learn which method makes sense to apply and in which order. In special courses we will touch on the topic of acute medicine, e.g. first aid in case of a heart attack. In addition, aspects of health education and nutrition are discussed, as they are important for the prevention of cardiovascular disease.</p>	
Further information	For more details and descriptions of courses see the module manual.	
Methods of examination and feedback	Modules conclude with a written multiple choice test and a combined practical test at the end of the semester.	

Respiratory System

Module title	Respiratory System	
Module coordinator	Dr. Jakob Wolfart	
Contact at MHB	Simone Dors	
Timescale	1st year	2nd semester
Duration	4 weeks	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	POL	21
	TRIK	6
	IDS	16
	Lecture	1
	Internship	12
	ÜDT	8
	Total	64
ECTS	7	
Location	Neuruppin	
Other institutions involved in the module	-	
Module description	<p>The module addresses functions and disorders of the respiratory system. It starts with the anatomy and mechanics of the lung, followed by gas exchange and blood gas analysis. Finally we discuss vegetative regulation as well as experience and behaviour in the context of respiration. Experts in the field use a variety of course formats to demonstrate the diagnostics and therapy of major disorders such as obstructive and restrictive pulmonary disease.</p>	
Further information	For more details and descriptions of courses see the module manual.	
Methods of examination and feedback	Modules conclude with a written multiple choice test and a combined practical test at the end of the semester.	

Blood

Module title	Blood	
Module coordinator	Prof. Dr. Markus Deckert	
Contact at MHB	Simone Dors	
Timescale	1st year	2nd semester
Duration	3 weeks	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	POL	16
	TRIK	6
	IDS	12
	Lecture	1
	Internship	6
	ÜDT	6
	Total	47
ECTS	6	
Location	Neuruppin	
Other institutions involved in the module	-	
Module description	<p>Haematology is expanding dynamically, with an enormous growth rate of knowledge about haematological diseases and their treatment in recent years. This implies an equally growing need for haematologists in the years ahead. Haematology places high demands on students but also on instructors whose mission is to convey the complex subject matter in systematic and comprehensible terms, with enthusiasm and devotion. Our team in charge of the module hopes to stimulate a genuine interest in, or even enthusiasm for, haematology. Some of the topics: (differential) blood count, haematopoiesis and degradation of blood cells, haematological biochemistry, haemostaseology, blood groups and basics of the lymphatic system. Selected disorders will be presented in some detail.</p>	
Further information	For more details and descriptions of courses see the module manual.	
Methods of examination and feedback	Modules conclude with a written multiple choice test and a combined practical test at the end of the semester.	
Resources (literature, links)	<p>eBooks Hämatologische Erkrankungen</p> <p>Weblinks Hämatologischer Bildatlas – http://www.hemato-images.eu</p>	

Nutrition/Digestion/Metabolism

Module title	Nutrition/Digestion/Metabolism	
Module coordinator	Prof. Dr. Stefan Lüth	
Contact at MHB	Simone Dors	
Timescale	1st year	2nd semester
Duration	7 weeks	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	POL	37
	TRIK	9
	IDS	28
	Lecture	1
	Internship	24
	ÜDT	14
	Total	113
ECTS	13	
Location	Neuruppin	
Other institutions involved in the module	Städtisches Klinikum Brandenburg	
Module description	<p>The German Society for Digestive and Metabolic Diseases (DGVS) has started a campaign to generate interest in their field among prospective physicians. Accordingly, the module addresses the belly region as involving more than just a sense of well-being after a delicious meal, or the location of the earliest stage of human development. The course combines basic knowledge about the anatomy, biochemistry and physiology of the digestive system with information on pertinent advanced diagnostic resources, like sonography and endoscopy. Participants are introduced to structured anamnesis and diagnosis via physical examination and get the chance to observe state-of-the-art procedures in highly specialised endoscopy centres.</p>	
Further information	For more details and descriptions of courses see the module manual.	
Methods of examination and feedback	Modules conclude with a written multiple choice test and a combined practical test at the end of the semester.	
Resources (literature, links)	<p>eBooks (Springer)</p> <ul style="list-style-type: none"> • Magen-Darm-Trakt • Funktionsdiagnostik in Endokrinologie, Diabetologie und Stoffwechsel • Zeitschrift „Der Internist“ • Zeitschrift „Deutsche Medizinische Wochenschrift“ <p>Weblinks</p> <ul style="list-style-type: none"> • Histologie – http://www.mikroskopie-uds.de/ • Histologie – http://www.histonet2000.de/ 	

Inflammation/Defence

Module title	Inflammation/Defence	
Module coordinator	Prof. Dr. Frank Hufert	
Contact at MHB	Simone Dors	
Timescale	2nd year	3rd semester
Duration	8 weeks	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	POL	43
	TRIK	16
	IDS	32
	Lecture	1
	Internship	24
	ÜDT	16
	Total	132
ECTS	14	
Location	Neuruppin	
Other institutions involved in the module	Senftenberg	
Module description	<p>Infectious diseases (ID) play a key role in health care. Emerging viruses, multidrug resistant pathogens and the risk of uncontrolled outbreaks of ID in epidemic and pandemic situations are major issues in medicine. Thus a profound basic knowledge of the different pathogens and their interactions with the host's immune response is crucial. The understanding of these interactions is mandatory for setting up prevention and control measurements to perform adequate diagnostics and to select the most efficient treatment for the patient. As a consequence, this module has a strong focus on:</p> <ul style="list-style-type: none"> • teaching principles of pathomechanisms, • different diagnostic methods and • use of anti-infectives for patient care. Teaching is performed by interdisciplinary seminars and practical exercises. 	
Further information	For more details and descriptions of courses see the module manual.	
Methods of examination and feedback	Modules conclude with a written multiple choice test and a combined practical test at the end of the semester.	

Nervous System

Module title	Nervous System	
Module coordinator	Prof. Dr. Andreas Bitsch	
Contact at MHB	Simone Dors	
Timescale	2nd year	3rd semester
Duration	6 weeks	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	POL	32
	TRIK	12
	IDS	24
	Lecture	1
	Internship	18
	ÜDT	12
	Total	99
ECTS	11	
Location	Neuruppin	
Other institutions involved in the module	-	
Module description	<p>The module takes students through the macroscopic and microscopic structure, neurophysiology and biochemistry of the nervous system. Instruction on functions and mechanisms of the nervous system is combined with the presentation and analysis of prototypical syndromes. Another focus is on the principles of diagnostics in neuropsychology, neurophysiology and neuroradiology, and on neurological examination.</p>	
Further information	For more details and descriptions of courses see the module manual.	
Methods of examination and feedback	Modules conclude with a written multiple choice test and a combined practical test at the end of the semester.	

Electrolytes/Kidney

Module title	Electrolytes/Kidney	
Module coordinator	Prof. Dr. Daniel Patschan	
Contact at MHB	Simone Dors	
Timescale	2nd year	4th semester
Duration	5 weeks	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	POL	27
	TRIK	8
	IDS	20
	Lecture	1
	Internship	18
	ÜDT	10
	Total	84
ECTS	9	
Location	Neuruppin und Brandenburg	
Other institutions involved in the module	Internal Medicine Bernau Microbiology Brandenburg Internal Medicine Neuruppin Physiology and Biochemistry MHB	
Module description	<p>The module teaches nephrology at a level that conveys competences to treat inpatients with acute or chronic renal diseases in interdisciplinary contexts – explicitly not at specialist level. Students learn to identify and treat the major causes of acute kidney damage and chronic renal disease. They are taught fundamental methods of renoprotective therapy and learn about all major complications in both conditions. Further, the module addresses the 3 (4) most relevant electrolyte imbalances in clinical settings as well as basics in urine diagnostics. It also provides information about chances and limitations of renal replacement therapy.</p>	
Further information	For more details and descriptions of courses see the module manual.	
Methods of examination and feedback	Modules conclude with a written multiple choice test and a combined practical test at the end of the semester.	
Resources (literature, links)	<ul style="list-style-type: none"> Ulrich Kuhlmann , Joachim Böhrer , Friedrich C. Luft , Ulrich Kunzendorf , Mark Dominik Alscher, Nephrologie, Pathophysiologie - Klinik – Nierenersatzverfahren, Thieme-Verlag – 2015 Mark Dominik Alscher, Referenz Nephrologie, Thieme-Verlag – ab 04/2019 	

Skin

Module title	Skin	
Module coordinator	Prof. Dr. med. Prof. h.c. Dr. h.c. Christos C. Zouboulis	
Contact at MHB	Simone Dors	
Timescale	2nd year	4th semester
Duration	4 weeks	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	POL	21
	TRIK	8
	IDS	16
	Lecture	1
	Internship	12
	ÜDT	8
	Total	66
ECTS	7	
Location	Neuruppin	
Other institutions involved in the module	Klinikum Dessau	
Module description	<p>The skin is the largest organ of the body. It acts as barrier and protection against diverse external influences and also reflects a person's inner and psychological state of health. In the four-week course students are acquainted with all aspects of this complex organ. A combination of lectures, interdisciplinary seminars, internships, tutorials on diagnostics and therapy and POL events serves to convey information on composition and function of human skin and its adnexa, macroanatomy and histology, immunology, frequent disorders of skin and adnexa, pathogen-induced skin conditions, skin tumours, standardized dermatological examination, instrument-based diagnostic procedures, effects of physical influences, dermatological prevention, principles of local treatment, operative dermatology, and correlation between psyche and skin.</p>	
Further information	For more details and descriptions of courses see the module manual.	
Methods of examination and feedback	Modules conclude with a written multiple choice test and a combined practical test at the end of the semester.	
Resources (literature, links)	<p>Literature</p> <ul style="list-style-type: none"> • Ashfaq Marghoob, An Atlas of Dermoscopy, • C.E. Orfanos, Therapie der Hautkrankheiten • Christopher Griffiths, Rook's Textbook of Dermatology, 4 Volume Set • Ingrid Moll, DUALE REIHE Dermatologie • Jeffrey P. Callen, Color Atlas of Dermatolog • Lowell A. Goldsmith, Fitzpatrick's Dermatology in General Medicine • Peter Fritsch, Dermatologie und Venerologie für das Studium • Peter Fritsch, Dermatologie, Venerologie • Walter Burgdorf, Checkliste Dermatologie • Werner Kempf, Dermatopathologie • Wolfram Sterry, Thieme Clinical Companions Dermatology <p>Weblinks</p> <ul style="list-style-type: none"> • Histologie – http://www.mikroskopie-uds.de/ • Histologie – http://histonet2000.de/ 	

Experience and Behavior

Module title	Experience and Behavior	
Module coordinator	Prof. Dr. Michael Kölch	
Contact at MHB	Simone Dors	
Timescale	2. year	4. semester
Duration	5 weeks	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	POL	27
	TRIK	12
	IDS	20
	Lecture	1
	Internship	12
	ÜDT	10
	Total	82
ECTS	9	
Location	Neuruppin	
Other institutions involved in the module	-	
Module description	<p>Human behaviour is based on experiences and especially on learning experiences. The module focuses on teaching of basic aspects of developmental psychology, behavioural sciences and medical sociology in relation to public health, prevention strategies and needed skills of medical professionals to promote both individual health behaviour and public health strategies. Contents are neurobiological aspects of behaviour as well as scientific theories of behaviour.</p>	
Further information	For more details and descriptions of courses see the module manual.	
Methods of examination and feedback	Modules conclude with a written multiple choice test and a combined practical test at the end of the semester.	
Resources (literature, links)	<p>Literature</p> <ul style="list-style-type: none"> Ahnert, L. (Ed.). (2014). Theorien in der Entwicklungspsychologie. Heidelberg: Springer-Verlag. Berk, L. E. (2011). Entwicklungspsychologie. (5. Aufl.). München: Pearson Deutschland GmbH. Cassidy, J., & Shaver, P.R. (Eds). (2016). Handbook of attachment: Theory, Research, and Clinical Applications. (3.Aufl.). New York: Guilford Press. Damon, W. & Lerner, R. M. (2006). (Eds. in Chief). Handbook of child psychology. New Jersey: John Wiley & Sons: Lerner, R.M. (2006) (Eds.). Theoretical models of human development. In W. Damon & R.M. Lerner (Eds. in Chief). Handbook of child psychology. Damon, W. & Lerner, R. M. (2006) (Eds. in Chief). Handbook of child psychology. New Jersey: John Wiley & Sons: Kuhn, D. & Siegler, R. (2006) (Eds). Cognition, perception, and language. In W. Damon & R.M. Lerner (Eds. in Chief). Handbook of child psychology. Damon, W. & Lerner, R. M. (2006) (Eds. in Chief). Handbook of child psychology. New Jersey: John Wiley & Sons: Eisenberg, N. (2006) (Eds). Social, Emotional, and Personality Development. In W. Damon & R.M. Lerner (Eds. in Chief). Handbook of child psychology. Damon, W. & Lerner, R. M. (2006) (Eds. in Chief). Handbook of child psychology. New Jersey: John Wiley & Sons: Sigel, I. E., & Renninger, K. (2006) (Eds). Child Psychology in Practice. In W. Damon & R.M. Lerner (Eds. in Chief). Handbook of child psychology. 	

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- Underwood, M. K., & Rosen, L. H. (Eds.). (2011). Social development: Relationships in infancy, childhood, and adolescence. New York: Guilford Press.
- Zeanah, C. H. (Ed.). (2009). Handbook of infant mental health. (3.Aufl.). New York: Guilford Press.

Sensory System

Module title	Sensory System	
Module coordinator	Prof. Dr. Walter Noske, Dr. Jakob Wolfart, Frau Dr. Birgit Didczuneit-Sandhop	
Contact at MHB	Dr. Julia Schendzielorz	
Timescale	3rd year	5th semester
Duration	6 weeks	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	POL	32
	TRIK	12
	IDS	24
	Lecture	1
	Internship	18
	ÜDT	12
	Total	99
ECTS	11	
Location	Brandenburg an der Havel	
Other institutions involved in the module	-	
Module description	The module covers structures, functions and disorders of sensory systems: auditory sense, balance, voice, vision, cranial nerves. Anatomy and physiology of each sensory system or respective parts will be presented, followed by a discussion of major pertinent clinical symptoms and disorders. Various course formats serve to convey the module content in more detail, such as case presentations, training in appropriate examination methods, demonstrations and practical exercises.	
Further information	For more details and descriptions of courses see the module manual.	
Methods of examination and feedback	Modules conclude with a written multiple choice test and a combined practical test at the end of the semester.	

Hormones/Reproductive Organs/Sexuality

Module title	Hormones/Reproductive Organs/Sexuality	
Module coordinator	Prof. Dr. Stefanie Oess	
Contact at MHB	Dr. Julia Schendzielorz	
Timescale	3rd year	5th semester
Duration	6 weeks	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	POL	32
	TRIK	12
	IDS	24
	Lecture	1
	Internship	18
	ÜDT	12
	Total	99
ECTS	11	
Location	Brandenburg an der Havel	
Other institutions involved in the module	-	
Module description	<p>Upon completion of the module, students will be able to demonstrate the anatomical, biochemical and physiological principles of the hypothalamic / pituitary / target organ axis, and in particular the sex hormones. They will have gained a basic understanding of the biological, psychological and social aspects of human sexuality. They will have practiced practical skills such as the ultrasound scan of the thyroid gland, examination of the sex organs as well as sexual anamnesis and have reflected their approach to dealing with sexuality in different professional contexts.</p>	
Learning objectives	<p>Upon completion of the module, students will be able to</p> <ul style="list-style-type: none"> • demonstrate the anatomical, biochemical and physiological principles of the hypothalamic / pituitary / target organ axis, and in particular the sex hormones, • demonstrate a basic understanding of the biological, psychological and social aspects of human sexuality, • show practical skills such as the ultrasound scan of the thyroid gland, examination of sex organs as well as sexual anamnesis, and • reflect their approach to dealing with sexuality in different professional contexts. 	
Further information	For more details and descriptions of courses see the module manual.	
Methods of examination and feedback	Modules conclude with a written multiple choice test and a combined practical test at the end of the semester.	

Emergency Medicine II

Module title	Emergency Medicine II	
Module coordinator	Dr. Eric Weidmann	
Contact at MHB	Dr. Julia Schendzielorz	
Timescale	3rd year	5th semester
Duration	2 weeks	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	POL	11
	TRIK	4
	IDS	12
	Lecture	2
	ÜDT	12
	Total	41
ECTS	3	
Location	Brandenburg an der Havel	
Other institutions involved in the module	-	
Module description	<p>Building on the module “Emergency Medicine I”, this module teaches extended techniques of resuscitation including semiautomatic defibrillation and intubation in children and adults. It provides basic information on EEG with a focus on cardiac attack and arrhythmia, the wider context of respiratory problems, neurological and traumatic emergencies, irritations, burns, poisoning and hypothermia and the pertinent therapies. Another focus is on emergency anamnesis and on legal and ethical aspects involved in emergency medicine.</p>	
Further information	<p>Credits acquired can be counted towards rescue service certification. For more details and descriptions of courses see the module manual.</p>	
Methods of examination and feedback	<p>Modules conclude with a written multiple choice test and a combined practical test at the end of the semester.</p>	

Community Medicine

Module title	Community Medicine	
Module coordinator	Prof. Dr. Ullrich Schwantes, Prof. Dr. Christine Holmberg	
Contact at MHB	Dr. Julia Schendzielorz	
Timescale	3rd year	6th semester
Duration	5 weeks	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	POL	27
	TRIK	12
	IDS	20
	Lecture	1
	Internship	12
	ÜDT	10
	Total	82
ECTS	9	
Location	Brandenburg an der Havel	
Other institutions involved in the module	<ul style="list-style-type: none"> • Öffentlicher Gesundheitsdienst, Gesundheitsamt Potsdam • (Palliative Care Team Harms) • Kinder- und Jugendpsychiatrie Universitätsklinik Ulm • Hausarztzentrum Tegel, Berlin • Medizinisches Versorgungszentrum Brandenburg an der Havel • Sportorthopädie Berlin (Sportorthopaedicum) • Gesundheitsamt Bezirksamt Spandau, Berlin 	
Module description	<p>Medical care always takes place within a “system”. The medical profession is subject to the social, legal and economic environment. Diagnostic measures and therapy decisions are influenced by the health system on the one hand, and the individual patient’s situation on the other. Reflection on the conditionality of all medical activities is in the focus of this module. „Gesundheitsökonomie“ und „regionale Versorgung und Behandlung vulnerabler Gruppen“.</p> <p>The module comprises five key topics:</p> <ul style="list-style-type: none"> • “Health and illness” • “population medicine” • “healthcare” • “health economics” • “regional health care and treatment of vulnerable groups” 	
Learning Objectives	<ul style="list-style-type: none"> • Students can describe the social, legal and economic conditions for medical activities. • Students can analyse a patient’s social and economic situation and make it part of the treatment plan. • Students are able to reflect the correlation of population and individual patient with reference to their own medical activities. This includes the ability <ul style="list-style-type: none"> ○ to translate findings from epidemiological studies to individual patients, ○ distinguish between different concepts of health and illness, ○ describe various approaches of population medicine vs. individual medicine. 	
Further information	The module concludes with a written multiple choice test at the end of the semester.	

<p>Methods of examination and feedback</p>	<p>Die Module werden am Ende eines Semesters in einem schriftlichen Multiplichoicetest geprüft.</p>
<p>Resources (literature, links)</p>	<ul style="list-style-type: none"> • Bundesärzteordnung • Berufsordnung der LÄKB • SGB V, IX, XI, XII • Busse, R. (2006). Gesundheitsökonomie – Ziele, Methodik und Relevanz. Bundesgesundheitsblatt - Gesundheitsforschung - Gesundheitsschutz 49(1): 3-10 • Robra, B.; Spura, A. (2018) Versorgungsbedarf im Gesundheitswesen - ein Konstrukt In: Schwerpunkt: Bedarf und Bedarfsgerechtigkeit: Alexander - Stuttgart: Schattauer, S. 3-21 <p>Articels:</p> <ul style="list-style-type: none"> • Adler AJ, Martin N, Mariani J, Tajer CD, Owolabi OO, Free C, Serrano NC, Casas JP, Perel P. Mobile phone text messaging to improve medication adherence in secondary prevention of cardiovascular disease. Cochrane Database Syst Rev. 2017 Apr 29;4:CD011851. doi: 10.1002/14651858.CD011851.pub2. • Gorenai V, Schönermark MP, Hagen A: Maßnahmen zur Verbesserung der Compliance bzw. Adherence in der Arzneimitteltherapie mit Hinblick auf den Therapieerfolg, hrsg vom DIMDI (2007), www.//portal.dimdi.de/de/hta/hta_berichte/hta206_bericht_de.pdf • Morawski K, Ghazinouri R, Krumme A, McDonough J, Durfee E, Oley L, Mohta N, Juusola J, Choudhry NK. Rationale and design of the Medication adherence Improvement Support App For Engagement-Blood Pressure (MedISAFE-BP) trial. Am Heart J. 2017 Apr;186:40-47. doi: 10.1016/j.ahj.2016.11.007. Epub 2016 Dec 9. • Coughlin SS, Prochaska JJ, Williams LB, Besenyi GM, Heboyan V, Goggans DS, Yoo W, De Leo G. Patient web portals, disease management, and primary prevention. Risk Manag Healthc Policy. 2017 Apr 7;10:33-40. doi: 10.2147/RMHP.S130431. • Lampert T, Richter M, Schneider S, Spallek J, Dragano N (2016) Soziale Ungleichheit und Gesundheit. Stand und Perspektiven der sozialedemiologischen Forschung in Deutschland. Bundesgesundheitsblatt – Gesundheitsforschung – Gesundheitsschutz 59(2): 153-165 • Gail, MH (2015). Twenty-five Years of Breast Cancer Risk Models and Their Applications. JNCI, 107(5) • Hensen, P. (2011). Die gesunde Gesellschaft und ihre Ökonomie – vom Gesundheitswesen zur Gesundheitswirtschaft. In: Hensen P, Kölzer C (Hrsg.) Die gesunde Gesellschaft. Sozioökonomische Perspektiven und sozialetische Herausforderungen. Wiesbaden: VS-Verlag für Sozialwissenschaften, 2011, S. 11-50 [ISBN 978-3-531-17258-3] • Kölch M, Fegert JM, Bleich S, Schepker R. (2010) Stellungnahme: Das neue Entgeltsystem – Chancen und Herausforderungen für die Kinder- und Jugendpsychiatrie oder viel Lärm um nichts? Zeitschrift für Kinder- und Jugendpsychiatrie und Psychotherapie, 38 (6): 449-457. • Schang L, Kopetsch T and Sundmacher L. (2017) Zurückgelegte Wegzeiten in der ambulanten ärztlichen Versorgung in Deutschland. Bundesgesundheitsbl 60: 1383-1392. • Kölch M, Fegert JM (2015). Forschung und Patientenversorgung: mögliche Interessenkonflikte? in: Aktion Psychisch Kranke, Peter Weiß (Hrsg.). Qualität in der Psychiatrie, S. 201-210. • Koelch M, Schulze UME, Fegert JM (2015). Child and adolescent mental health care, in : The Oxford Handbook of Psychiatric Ethics, ed. John Z. Sadler, Werdie (C.W.) Van Staden, and K.W.M. (Bill) Fulford, Oxford University Press • Heinze M, Humanität im Krankenhaus aus psychiatrischer Sicht. In: Wann ist der Mensch ein Mensch? – Menschlichkeit im Krankenhaus. Immanuel Texte_01/2012, hrsg. von der Immanuel-Diakonie Berlin, 62-72.

- Heinze M, Die Ambivalenz neuer Steuerungs- und Anreizsysteme in der Psychiatrie, Kerbe – Forum für soziale Psychiatrie, Jahrgang 33, 01/2015: 7-10

Gesetz über den Öffentlichen Gesundheitsdienst (GdG) der Länder Brandenburg und Berlin

- des Ministeriums für Arbeit, Soziales, Gesundheit und Familie Brandenburg (<https://masgf.brandenburg.de/cms/detail.php/bb1.c.151587.de>)
- des Landesamtes für Arbeitsschutz, Verbraucherschutz und Gesundheit Brandenburg (<https://lavg.brandenburg.de/cms/detail.php/bb1.c.418375.de>) und
- der Gesundheitsämter in Brandenburg und Berlin

Online programmes and websites on eHealth such as:

- www.herzstiftung.de
- www.fideo.de
- <http://ifightdepression.com/de/>
- <https://www.online-therapy.ch/interherz/studie.php>

Health Inequity:

- www.gesundheitsplattform.brandenburg.de
- <http://www.instituteoftheequity.org/resources-reports/fair-society-healthy-lives-the-marmot-review>

Prevention:

- S3-Leitlinie Kolonkarzinom der DGVS auf: <https://www.dgvs.de/>
- Leitbegriffe der Gesundheitsförderung und Prävention. Zu finden unter: <https://www.leitbegriffe.bzga.de/>

Cancer Registration:

- <https://www.kkrbb.de/>
- <https://lavg.brandenburg.de/cms/detail.php/bb1.c.431101.de>
- https://www.rki.de/DE/Content/Gesundheitsmonitoring/Gesundheitsberichterstattung/gbe_node.html

Demographic pyramid

- <https://service.destatis.de/bevoelkerungspyramide/>

Physician statistics

- <https://www.bundesaerztekammer.de/ueberuns/aerztestatistik/aerztestatistik-2017/>

History of policlinics

- <https://www.bmvz.de/wissenswertes/mvz-information/gesundheitszentren/>

Requirements planning

- <http://www.kbv.de/html/bedarfsplanung.php>

Social psychiatry

- <https://www.stadt-brandenburg.de/dienstleistungen/service/sozialpsychiatrischer-dienst/>

Nursing care:

- <https://www.pflegen-und-leben.de/start.html>
- <https://www.verbraucherzentrale.de/wissen/gesundheitspflege/alles-fuer-pflegende-angehoerige/hilfe-fuer-pflegende-angehoerige-13922>
- <https://www.pflegestuetzpunkte-brandenburg.de/index.php?id=3>

Biometrics

Module title	Biometrics	
Module coordinator	Herr Dr. Michael Hauptmann	
Contact at MHB	Dr. Julia Schendzielorz	
Timescale	3rd year	6th semester
Duration	1 week	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	IDS	6
	Lecture	4
	Internship	6
	Total	16
ECTS	1	
Location	Brandenburg an der Havel	
Other institutions involved in the module	-	
Module description	-	
Further information	For more details and descriptions of courses see the module manual.	
Methods of examination and feedback	The module concludes with a written multiple choice test at the end of the semester.	

Natural Sciences Internship

Module title	Natural Science Internship	
Module coordinator	Prof. Dr. René Mantke	
Contact at MHB	Dr. Julia Schendzielorz	
Timescale	3rd year	6th semester
Duration	8 weeks	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	Internship	320
	Total	320
ECTS	18	
Location	Location depending on project coordinator	
Other institutions involved in the module	-	
Module description	<p>Studies at the Brandenburg Medical School are based on, and guided by, scientific principles. Accordingly, an 8-week scientific internship is an integral part of the curriculum and scheduled for the 6th semester. Students address a specific research question autonomously under expert supervision. Initial scientific experience and competences acquired in this manner form the basis for research activities in following semesters. The course cycle on methods of scientific work prepares students for the internship right from the 1st semester. To pass the module students need to document regular attendance and submit an academic paper and a poster. The scientific internship concludes with a poster presentation at a scientific meeting.</p>	
Methods of examination and feedback	Preparation of a written paper and a poster, successful poster presentation at a scientific meeting including structured feedback.	
Further information	Students may choose from a range of different settings for the internship. One option is a project with an external supervisor.	

Occupational Medicine

Module title	Occupational Medicine	
Module coordinator	Dr. Renate Fischer	
Contact at MHB	Dr. Julia Schendzielorz	
Timescale	4th year	7th semester
Duration	1 week	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	POL	5
	TRIK	4
	IDS	6
	Lecture	4
	Internship	6
	Total	25
ECTS	1	
Location	Brandenburg an der Havel	
Other institutions involved in the module	Lafim e.V. Brandenburg	
Module description	The 1-week module conveys essential fundamentals of occupational medicine and safety at work via interdisciplinary seminars and lectures, and in particular via various practical exercises. An overriding topic throughout the week is hazard assessment, to be performed by students in small groups in various work environments under the supervision of occupational health professionals or safety experts, and to be demonstrated in short presentations.	
Further information	For more details and descriptions of courses see the module manual.	
Methods of examination and feedback	Modules conclude with a written multiple choice test and a combined practical test at the end of the semester.	
Resources (literature, links)	ASiG, DGUV, ArbMedVV, ArbSchG	

Clinical Diagnostics And Therapy

Module title	Clinical Diagnostics and Therapy	
Module coordinator	Prof. Dr. Oliver Ritter	
Contact at MHB	Dr. Julia Schendzielorz	
Timescale	4th year	7th semester
Duration	9 weeks	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	POL	48
	TRIK	16
	Fallvorstellung	6
	IDS	36
	Lecture	16
	Internship	15
	ÜDT	18
	Total	155
ECTS	20	
Location	Brandenburg an der Havel	
Other institutions involved in the module	Immanuel Diakonie Bernau Immanuel Diakonie Rüdersdorf Ruppiner Kliniken	
Module description	The module provides a framework of basic knowledge and competences that enables students to identify, and suitably respond to, presented symptoms. Confronted with leading symptoms, students are asked to come up with a diagnosis and set up a treatment plan. The idea is to underline the significance of anamnesis and physical examination as integral parts of medical treatment and as preconditions for correct instrument-based diagnostic procedures.	
Further information	For more details and descriptions of courses see the module manual.	
Methods of examination and feedback	Modules conclude with a written multiple choice test and a combined practical test at the end of the semester.	

Compulsory Elective “Minor Subjects”

Module title	Compulsory Elective „Minor Subjects“	
Module coordinator	PD Dr. Erik Glocker	
Contact at MHB	Dr. Julia Schendzielorz	
Timescale	4th year	7th semester
Duration	4 weeks	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	IDS	8
	Lecture	10
	ÜDT	8
	Case discussion	8
	Simulation patients	136
	Total	170
ECTS	8	
Location	Brandenburg an der Havel	
Other institutions involved in the module	Immanuel Diakonie Bernau Immanuel Diakonie Rüdersdorf Ruppiner Kliniken Städtisches Klinikum Brandenburg Städtisches Klinikum Dessau Helios Klinikum Bad Saarow	
Module description	The module offers the opportunity to acquire further knowledge and skills in specialties according to a student’s personal interest and inclination. It also prepares for the stage of modules with primarily clinical orientation, with emphasis on teaching formats such as internships on wards, bedside teaching and participation in ward rounds and meetings. Central teaching sessions also cover basics and conditions of medical action and aspects involved in daily practice (ward, operating theatre, lab etc.).	
Further information	For more details and descriptions of courses see the module manual.	
Methods of examination and feedback	Modules conclude with a written multiple choice test and a combined practical test at the end of the semester.	

Gynecology/Obsterics

Module title	Gynecology/Obsterics	
Module coordinator	Dr. Martina Rauchfuss	
Contact at MHB	Dr. Andrea Antolic	
Timescale	4th year	8th semester
Duration	7 weeks	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	POL	38
	TRIK	14
	IDS	28
	Lecture	14
	Internship	9
	ÜDT	14
	Case discussion	7
	Simulation patients	98
	Total	222
ECTS	14	
Location	Various locations	
Other institutions involved in the module	-	
Module description	-	
Further information	For more details and descriptions of courses see the module manual.	
Methods of examination and feedback	Modules conclude with a written multiple choice test and a combined practical test at the end of the semester.	

Pediatrics

Module title	Pediatrics	
Module coordinator	Prof. Dr. Thomas Erler	
Contact at MHB	Dr. Andrea Antolic	
Timescale	4th year	8th semester
Duration	7 weeks	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	POL	38
	TRIK	14
	IDS	28
	Lecture	14
	Internship	
	ÜDT	14
	Case discussion	7
	Simulation patients	98
	Total	214
ECTS	14	
Location	Various locations	
Other institutions involved in the module	Socio-educational centres, public health services, specialist consultation hours, paediatric emergency room	
Module description	The 7-week course acquaints students with the organisation, procedures and routines of a paediatric hospital including a perinatal unit and confronts them with paediatric surgical pathologies.	
Methods of examination and feedback	Modules conclude with a written multiple choice test and a combined practical test at the end of the semester.	
Further information	Students experience direct parent contact for the first time. For more details and descriptions of courses see the module manual.	
Resources (literature, links)	<ol style="list-style-type: none"> 1. Springer Medizin: Pädiatrie - Grundlagen und Praxis. Bearbeitet von Prof. Dr. med. Prof. h.c. (RCH) Georg F. Hoffmann, Prof. Dr. med. Michael J. Lentze, Prof. Dr. (em.) Jürgen Spranger, Prof. Dr. med. Fred Zepp 2. https://www.dgkj.de/ 3. https://www.bvkj.de/startseite/ 	

Neurology

Module title	Neurology	
Module coordinator	Dr. Sybille Spieker	
Contact at MHB	Dr. Andrea Antolic	
Timescale	5th year	9th semester
Duration	4 weeks	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	POL	21
	TRIK	8
	IDS	16
	Lecture	8
	Internship	9
	ÜDT	8
	Case discussion	4
	Simulation patients	56
	Total	130
ECTS	8	
Location	Various locations	
Other institutions involved in the module	Neurology, neurosurgery, neuropathology, neuroradiology, laboratory medicine	
Module description	The module conveys information on major diseases in the field of neurological medicine. It builds upon the module "Nervous System" in the 3 rd semester and recapitulates neurological examination, with a focus on identifying neurological syndromes from formal examination. It addresses in more detail specific aspects of anamnesis and conveys major competences required in the diagnostics, therapy and socio-medical classification of neurological/neurosurgical pathologies.	
Further information	For more details and descriptions of courses see the module manual.	
Methods of examination and feedback	Modules conclude with a written multiple choice test and a combined practical test at the end of the semester.	
Resources (literature, links)	AWMF-Guidelines drawn up by: <ul style="list-style-type: none"> • Germane Gesellschaft für Neurologie (DGN) • Deutsche Gesellschaft für Neurochirurgie (DGNC) • Deutsche Gesellschaft für Neuroradiologie (DGNR) • Deutsche Gesellschaft für Neuropathologie/Neuroanatomie (DGNN). 	

Psychiatry

Module title	Psychiatry	
Module coordinator	Prof. Dr. Joachim Behr	
Contact at MHB	Dr. Andrea Antolic	
Timescale	5th year	9th Semester
Duration	4 weeks	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	POL	21
	TRIK	8
	IDS	16
	Lecture	8
	Internship	-
	ÜDT	8
	Case discussion	4
	Simulation patients	56
	Total	121
ECTS	8	
Location	Various locations	
Other institutions involved in the module	-	
Module description	-	
Further information	For more details and descriptions of courses see the module manual.	
Methods of examination and feedback	Modules conclude with a written multiple choice test and a combined practical test at the end of the semester.	

Anesthesiology

Module title	Anesthesiology	
Module coordinator	PD Dr. Julika Schön	
Contact at MHB	Dr. Andrea Antolic	
Timescale	5th Year	9th Semester
Duration	2 Weeks	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	POL	11
	IDS	8
	Lecture	4
	ÜDT	4
	Case discussion	2
	Simulation patients	46
	Total	75
ECTS	4	
Location	Various locations	
Other institutions involved in the module	ENT, neurosurgery, visceralsuregery, mikrobiology, pharmacology	
Module description	Decentralized organisation in affiliated hospitals, interdisciplinary seminars and lecture via video conference, practical parts at respective locations	
Further information	For more details and descriptions of courses see the module manual.	
Methods of examination and feedback	Modules conclude with a written multiple choice test and a combined practical test at the end of the semester.	

Surgery

Module title	Surgery	
Module coordinator	Prof. Dr. René Mantke	
Contact at MHB	Dr. Andrea Antolic	
Timescale	5th year	9th semester
Duration	4 weeks	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	POL	21
	TRIK	8
	IDS	16
	Lecture	8
	ÜDT	8
	Case discussion	4
	Simulation patients	56
	Total	121
ECTS	8	
Location	Various locations	
Other institutions involved in the module	-	
Module description	-	
Methods of examination and feedback	Modules conclude with a written multiple choice test and a combined practical test at the end of the semester.	
Further information	For more details and descriptions of courses see the module manual.	
Resources (literature, links)		

Internal Medicine

Module title	Internal Medicine	
Module coordinator	-	
Contact at MHB	Dr. Andrea Antolic	
Timescale	5th Year	10th Semester
Duration	4 Weeks	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	POL	21
	TRIK	8
	IDS	16
	Lecture	8
	Internship	9
	ÜDT	8
	Case discussion	4
	Simulation patients	56
	Total	130
ECTS	8	
Location	Various locations	
Other institutions involved in the module	-	
Module description	-	
Methods of examination and feedback	Modules conclude with a written multiple choice test and a combined practical test at the end of the semester.	
Further information	For more details and descriptions of courses see the module manual.	
Resources (literature, links)	-	

Geriatrics

Module title	Geriatrics	
Module coordinator	-	
Contact at MHB	Dr. Andrea Antolic	
Timescale	5th Year	10th Semester
Duration	4 Weeks	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	POL	21
	TRIK	8
	IDS	16
	Lecture	8
	Internship	-
	ÜDT	8
	Case discussion	4
	Simulation patients	56
	Total	
ECTS	8	
Location	Various locations	
Other institutions involved in the module	-	
Module description	-	
Methods of examination and feedback	Modules conclude with a written multiple choice test and a combined practical test at the end of the semester.	
Further information	For more details and descriptions of courses see the module manual.	
Resources (literature, links)	-	

Emergency Medicine III

Module title	Emergency Medicine III	
Module coordinator	Dr. Eric Weidmann	
Contact at MHB	NN	
Timescale	5th Year	10th Semester
Duration	1 Week	
Language of instruction	German	
Teaching formats	Course formats	Contact hours
	IDS	14
	Lecture	2
	ÜDT	14
	Total	30
ECTS	2	
Location	Various locations	
Other institutions involved in the module	-	
Module description	Module contents comprise Mega Code training, differentiated rhythm therapy, types of shocks, emergency medication, exercises in intubation with simulation of difficult airway, ATLS training, communication exercises and a revision course.	
Methods of examination and feedback	Modules conclude with a written multiple choice test and a combined practical test at the end of the semester.	
Further information	For more details and descriptions of courses see the module manual.	
Resources (literature, links)	-	

Modul-Independent Courses

Humanities and Health Sciences I	GÄDH (3rd Und 4th Sem.)	56 contact hours (seminar)
	MWA I (1st – 5th Sem.)	50 contact hours (seminar)
	GW (2nd Sem.)	24 contact hours (seminar)
Humanities and Health Sciences II	GÄDH (7th – 10th Sem.)	28 contact hours (seminar)
	MWA II (6th Sem.)	28 contact hours (seminar)
	MWA III (7th – 10th Sem.)	36 contact hours (seminar)
1st – 3rd sem.	Tutorials basic natural sciences	82 contact hours (lecture)
1st – 6th sem.	Study fundamentals	56 contact hours (seminar)
1st – 5th sem.	Careers in Medicine	24 contact hours (Internship)
2nd – 5th sem.	Practice Day	156 contact hours (Internship)

