UNIVERSITÄT ZU LÜBECK

Module Guide for the Study Path

Bachelor Physiotherapy 2016

Version from 1. October 2025

1st and 2nd semester

1st semester

2nd semester

3rd semester

4th and 5th semester

4th semester

5th semester

6th semester

7th semester

GW1000-KP05, PF1000-KP05 - Fundamentals and Methods in Health Sciences (PWI)

Duration:	Turnus of offer:	Credit points:
2 Semester	each winter semester	5

Course of study, specific field and term:

- Bachelor Applied Nursing (part-time) 2022 (compulsory), nursing science, 3rd and 4th semester
- Bachelor Occupational Therapy/ speech therapy 2022 (compulsory), scientific basics and methods, 1st and 2nd semester
- Bachelor Midwifery 2021 (compulsory), Scientific theory and practice, 1st and 2nd semester
- Bachelor Midwifery 2020 (compulsory), health sciences, 1st and 2nd semester
- Bachelor Physiotherapy 2022 (compulsory), Scientific theory and practice, 1st and 2nd semester
- Bachelor of Science in Nursing 2020 (compulsory: aptitude test), nursing science, 1st and 2nd semester
- Bachelor of Science in Nursing 2018 (compulsory: aptitude test), nursing science, 1st and 2nd semester
- Bachelor Physiotherapy 2018 (compulsory), Scientific theory and practice, 1st and 2nd semester
- Bachelor of Science in Nursing 2017 (compulsory: aptitude test), nursing science, 1st and 2nd semester
- Bachelor Midwifery 2017 (compulsory), health sciences, 1st and 2nd semester
- Bachelor Occupational Therapy 2018 (compulsory), scientific basics and methods, 1st and 2nd semester
- Bachelor Physiotherapy 2016 (compulsory), Scientific theory and practice, 1st and 2nd semester

Classes and lectures:

- scientific fundamentals and methods 1 (lecture, 1 SWS)
- scientific fundamentals and methods 2 (lecture, 1 SWS)
- scientific fundamentals and methods 1 (exercise, 1 SWS)
- scientific fundamentals and methods 2 (exercise, 1 SWS)

Workload:

- 90 Hours private studies
- 60 Hours in-classroom work

Contents of teaching:

- Health professions as a scientific discipline and types of knowledge in this field
- Fundamentals and methods of evidence-based practice (EbP)
- Quality characteristics and methods of scientific work
- Research approach (primary/secondary research, qualitative/quantitative) and research design in terms of the knowledge of interest
- PICOD scheme and formulation of relevant questions for systematic literature search and/or scientific investigations
- Setup and functional principles of resources for researching scientific information (library systems, electronic databases, types of scientific literature, bibliographic terminology)
- Development of research strategies for systematically searching electronic literature databases (e.g., Medline, CINAHL)
- Researching literature systematically via an electronic database, including saving, presenting, and selecting the findings
- Professional obligation of lifelong learning, methods of individual knowledge aptitude and competence building
- Methodology of problem-oriented learning (POL)

Qualification-goals/Competencies:

- Knowledge transfer: you know and comprehend the fundamentals and principles of evidence-based practice and health care. You are aware of the resulting requirements for application of research-based knowledge on your own professional acting.
- Knowledge transfer: you know and comprehend the characteristics and principles of scientific work. You know and comprehend the process and key quality criteria for generating scientific knowledge through research.
- Knowledge transfer: you gain an overview of diverse approaches and designs of empirical research, and have a preliminary understanding of the research design s dependence on the knowledge of interest.
- Knowledge transfer: you know and comprehend the necessity of continuous and responsible self-directed learning of the fundamentals of professional nursing.
- Knowledge transfer: you know and comprehend the POL methodology.
- Knowledge transfer: you learn about various resources and paths to search scientific literature (university library, common electronic databases), and are familiar with their functional principles and bibliographic terminology.
- Knowledge transfer and immersion: you know and comprehend the resources and methods to conduct a systematic search of scientific literature, especially in electronic databases.
- Systemic competency: you are capable of relating your knowledge and comprehension of scientific fundamentals and methods to your own professional acting.
- Application and systemic competency: you can independently search scientific literature in libraries and databases.

Grading through:

- Written report

Is requisite for:

- Journal Club Occupational Therapy/Speech and Language Therapy (GW2640-KP06)
- Qualitative Research for Therapy Sciences (GW2003-KP05)
- Quantitative Research for Therapy Sciences (GW2002-KP05)
- Research Methods I (GW2000-KP05, PF2000)

Responsible for this module:

- Prof. Annette Baumgärtner, PhD

Teacher:

- Institute of Health Sciences
- Institute for Social Medicine and Epidemiology - Section for Research and Teaching in Nursing

- Prof. Dr. Kerstin Lüdtke
- Prof. Dr. Katharina Röse
- Prof. Annette Baumgärtner, PhD
- Prof. Dr. rer. medic. Katja Stahl
- Prof. Dr. Katrin Balzer
- Prof. Dr. phil. Anne Rahn
- PD Annette Fox-Boyer, PhD
- PD Dr. rer. hum. biol. Tibor Szikszay
- Anna Dammermann, M.A.
- Miriam M.Sc., Neis
- Andere Dozenten

Literature:

- Behrens J & Langer G (2010): Evidence-based Nursing and Caring - Huber, 3rd edition, revised and expanded

Language:

- offered only in German

Notes:

Admission requirements for taking the module:
- None

Admission requirements for participation in module examination(s):
- Successful completion of exercises as specified at the beginning of the semester.
- Active participation in the exercises in small groups as specified at the beginning of the semester.

Module Exam(s):
- GW1000-L1 Fundamentals and Methods of Health Sciences, written paper, 100% of the module grade

The acquired competencies correspond to the competence area II according to Annex 1 of the HebStPrV.

The exercises are carried out in small groups (approx. 20 people).

PT1000-KP05 - Profession Physiotherapy (PrPhy)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	5

Course of study, specific field and term:

- Bachelor Physiotherapy 2022 (compulsory), 1st semester
- Bachelor Physiotherapy 2018 (compulsory), 1st semester
- Bachelor Physiotherapy 2017 (compulsory), 1st semester
- Bachelor Physiotherapy 2016 (compulsory), 1st semester

Classes and lectures:

- Professional knowledge (lecture, 2 SWS)
- Basics of ethical behavior (seminar, 1 SWS)

Workload:

- 105 Hours private studies
- 45 Hours in-classroom work

Contents of teaching:

- History and development of the therapeutic gymnastics-physiotherapy
- Occupational and operational areas of physiotherapists
- Professional standards
- Legal regulations
- Current state of development and future prospects of physiotherapy
- General and ethical principles and codes
- Ethical action in physiotherapy
- Science and research in physiotherapy
- Profession theories
- international comparisons of the profession
- Life long learning
- Help shape professionalization

Qualification-goals/Competencies:

- Students are able to classify parts of their professional field and develop a deep professional understanding. You can classify the profession of physiotherapy in the historical and political context and reflect on the general, social, ethical, economic and social responsibility of the individual physiotherapy areas of activity.
- On the basis of professional theoretical approaches, they can reflect, present, argue and apply job-specific concepts.
- They will develop a sound understanding of the physiotherapy profession and a professional self-image as a university-qualified physiotherapist.
- They actively participate in the further development of the profession.
- They are able to establish a convergence between professional action and the possibilities of health care and the framework conditions of the health system.
- They can present current occupational research topics, derive the status of scientific research and infer the effects on professional activity, as well as derive current research questions on professional research.
- They reflect on your personal development as a professional physiotherapist and develop their own understanding of the profession of physiotherapy and a professional self-image, taking into account professional ethics and their own ethical convictions.
- They understand the ethical codes of the profession, analyze and reflect scientifically founded professional ethical values and attitudes, also in international comparison.
- Students evaluate lifelong learning as an element of personal and professional development, take initiative and responsibility for their own learning and use modern information and communication media for this purpose.

Grading through:

- written exam

Responsible for this module:

- Prof. Dr. Kerstin Lüdtke

Teacher:

- Institute of Health Sciences
- Martina Nachtsheim, B.Sc.
- M.Sc. Hanna Brodowski

Language:

- offered only in German

Notes:

Admission requirements for taking the module:
- None

Admission requirements for participation in examination(s):
- In the case of absences that are not taken into account by the MPhG, §11, Para. 2, the examination board may refuse admission to the final module examination.

Module exam(s):
- PT1000-L1: Profession Physiotherapy, written exam, 90 min, 100% of module grade

PT1020-KP09 - Fundamentals of anatomy (GAna)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	9

Course of study, specific field and term:

- Bachelor Physiotherapy 2016 (compulsory), Physiotherapy, 1st semester

Classes and lectures:

- Comprehensive anatomy and musculoskeletal system (lecture, 6 SWS)
- Anatomy exercise (exercise, 2 SWS)

Workload:

- 150 Hours private studies
- 120 Hours in-classroom work

Contents of teaching:

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Qualification-goals/Competencies:

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Grading through:

- Oral examination

Responsible for this module:

- Prof. Dr. med. Jürgen Westermann

Teacher:

- Institute of Anatomy

- Prof. Dr. med. Jürgen Westermann
- Prof. Dr. med. Matthias Klinger
- Dr. med. Imke Weyers
- Prof. Dr. rer. nat. Kathrin Kalies

Literature:

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Language:

- offered only in German

PT1040-KP09 - Theory and practice of physiotherapeutical treatment I (PhyV1)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	9

Course of study, specific field and term:

- Bachelor Physiotherapy 2016 (compulsory), Physiotherapy, 1st semester

Classes and lectures:

- Massage therapy I (exercise, 2 SWS)
- Physical therapy I (exercise, 2 SWS)
- Physical education (seminar, 1 SWS)
- First Aid (exercise, 1 SWS)
- Hygiene (exercise, 1 SWS)
- Physical education (exercise, 2 SWS)

Workload:

- 150 Hours private studies
- 120 Hours in-classroom work

Contents of teaching:

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Qualification-goals/Competencies:

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Grading through:

- written homework

Is requisite for:

- Evidence-based practice in rehabilitation, prophylaxis and geriatrics (PT3000-KP06)
- Evidence-based practice in physiotherapy III (PT2520-KP06)
- Evidence-based practice in physiotherapy II (PT2500-KP08)
- Evidence-based practice in physiotherapy I (PT2000-KP07)

Responsible for this module:

- Dr. Minettchen Herchenröder

Teacher:

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- Dr. Minettchen Herchenröder
- Martina Nachtsheim, B.Sc.
- MPH Christina Bienert

Language:

- offered only in German

PT1050-KP05 - Practical course I (PrSPh1)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	5

Course of study, specific field and term:

- Bachelor Physiotherapy 2016 (compulsory), Physiotherapy, 1st semester

Classes and lectures:

- practical course I (external block practical course, 9,7 SWS)

Workload:

- 146 Hours in-classroom work
- 4 Hours private studies

Contents of teaching:

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Qualification-goals/Competencies:

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Grading through:

- internship report

Responsible for this module:

- M.Sc. Kirsten Großmann

Teacher:

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- MitarbeiterInnen der kooperierenden Lehrkrankenhäuser
- Anja Hartmann, M.Sc.

Language:

- offered only in German

GW1510-KP05, PT1500-KP05 - Fundamentals of physiology and pathophysiology (GPhyPa)

Duration:	Turnus of offer:	Credit points:
1 Semester	each summer semester	5

Course of study, specific field and term:

- Bachelor Physiotherapy 2022 (compulsory), foundations of human sciences, 2nd semester
- Bachelor Physiotherapy 2018 (compulsory), foundations of human sciences, 1st and 2nd semester
- Bachelor Physiotherapy 2017 (compulsory), foundations of human sciences, 2nd semester
- Bachelor Physiotherapy 2016 (compulsory), foundations of human sciences, 2nd semester

Classes and lectures:

- Basics physiology and pathophysiology (lecture, 3 SWS)

Workload:

- 105 Hours private studies
- 45 Hours in-classroom work

Contents of teaching:

- Cell physiology
- Nerve and sensory physiology
- Muscle Physiology
- Heart, blood and vascular physiology
- Functional aspects of the respiratory system
- Physiology of the digestive, urogenital, metabolic and endocrine systems
- Pathological basics
- Inflammation and edema
- Degenerative changes
- Tumors
- Immunological reactions
- Circulatory disorders, bleeding
- Disturbances in gas exchange and oxygen supply

Qualification-goals/Competencies:

- Students know the functional processes of the cells, nervous system, muscles, cardiovascular system, respiratory system, digestive system, urogenital system, metabolic system and endocrine system. They can describe the processes and name the elements involved.
- They can represent the interaction of the module-related organs in a healthy organism
- They are familiar with functional anomalies of module-related pathological processes, can represent these and distinguish them from healthy processes.
- They recognize the influence of pathological processes and organs on the rest of the organism
- They have a first, basic understanding of the care of morbid patients

Grading through:

- written exam

Responsible for this module:

- Prof. Dr. rer. nat. Kristina Kusche-Vihrog

Teacher:

- BG Trauma Hospital Hamburg
- Institute of Health Sciences
- Institut of Physiology

- Dr. Benedikt Fels
- Dr. rer. nat. Thomas Hellwig-Bürgel
- Dr. med. Markus Stuhr
- MitarbeiterInnen des Instituts
- Dr. rer. nat. Friederike Kosyna

Literature:

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Language:

- offered only in German

Notes:

Admission requirements for the module:
- None

Admission requirements for participation in module examination(s):
- In the case of absences that are not taken into account by the MPhG, §11, Para. 2, the examination board can refuse admission to the final module examination.

Module exam(s):
- GW1510-L1: Fundamentals of Physiology and Pathophysiology, written exam, 90 min, 100% of the module grade

In SGO 18, the offering cycle is every winter semester over two semesters.
From cohort 2022 onwards, the course is offered every summer semester for one semester.

GW1520-KP06, PT1510-KP06 - Fundamentals of pathology I (GdKl1)

Duration:	Turnus of offer:	Credit points:
1 Semester	each summer semester	6

Course of study, specific field and term:

- Bachelor Physiotherapy 2022 (compulsory), foundations of human sciences, 2nd semester
- Bachelor Physiotherapy 2018 (compulsory), foundations of human sciences, 2nd semester
- Bachelor Physiotherapy 2017 (compulsory), foundations of human sciences, 2nd semester
- Bachelor Physiotherapy 2016 (compulsory), foundations of human sciences, 2nd semester

Classes and lectures:

- Basics of pathology I (lecture, 5 SWS)

Workload:

- 105 Hours private studies
- 75 Hours in-classroom work

Contents of teaching:

- Basics of internal medicine from the fields of pneumology, cardiology / angiology, infectology, rheumatology, endocrinology, diabetology, nephrology, gastroenterology, hepatology, hematology
- Basics of general surgery, neurosurgery, pediatric surgery, cardio and vascular surgery
- Basics of trauma surgery: fractures, osteosynthesis, dislocation, joint injuries, multiple trauma
- Basics of orthopedics, orthopedic and orthopedic-rheumatological diseases
- Basics of occupational medicine, basics of physical and rehabilitative medicine

Qualification-goals/Competencies:

- Students know the basics of module-related clinical patterns of the various medical disciplines, in particular pathogenesis, etiology, symptoms, disease progression and healing processes.
- They can name and describe disease-related interventions that contribute to the patient's recovery.
- They are familiar with the influence of special pathologies on the organism and can also reflect on specific and critical care situations.
- They have a basic understanding of the care of morbid patients.
- They know the module-related subject areas and are able to differentiate between subject-related responsibilities.

Grading through:

- written exam

Responsible for this module:

- Prof. Dr. med. Markus Quante

Teacher:

- Clinic for Rheumatology and Clinical Immunology
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- Institute of Health Sciences

- Prof. Dr. med. Markus Quante
- Prof. Dr. med. Andreas Paech
- Prof. Dr. med. Martin Russlies
- Prof. Dr. med. Gabriela Riemekasten
- Prof. Dr. med. Markus Quante
- Prof. Dr. med. Christian Jürgens
- MitarbeiterInnen der Sektion Medizin
- Prof. Dr. med. Stephan Ensminger
- Prof. Dr. med. Sebastian Meyhöfer

Language:

- offered only in German

Notes:

Admission requirements for taking the module:
- None

Admission requirements for participation in module examination(s):
- In the case of absences that are not taken into account by the MPhG, §11, Para. 2, the examination board may refuse admission to the final module examination.

Module exam(s):
- GW1520: Fundamentals of pathology I, written exam, 60 min, 100% of the module grade

PT1530-KP07 - Clinical diagnostics and decision making (KlDuE)

Duration:	Turnus of offer:	Credit points:
1 Semester	each summer semester	7

Course of study, specific field and term:

- Bachelor Physiotherapy 2016 (compulsory), Physiotherapy, 2nd semester

Classes and lectures:

- Clinical diagnostics and assessment (lecture, 1 SWS)
- Clinical Reasoning (seminar, 1 SWS)
- Systematic diagnosis (lecture, 1 SWS)
- Clinical diagnostics and assessment (exercise, 1 SWS)
- Clinical Reasoning (exercise, 1 SWS)
- Systematic diagnosis (exercise, 1 SWS)

Workload:

- 120 Hours private studies
- 90 Hours in-classroom work

Contents of teaching:

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Qualification-goals/Competencies:

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Grading through:

- written homework

Is requisite for:

- Evidence-based practice in rehabilitation, prophylaxis and geriatrics (PT3000-KP06)
- Evidence-based practice in physiotherapy III (PT2520-KP06)
- Evidence-based practice in physiotherapy II (PT2500-KP08)
- Evidence-based practice in physiotherapy I (PT2000-KP07)

Responsible for this module:

- Dr. Minettchen Herchenröder

Teacher:

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- Dr. Minettchen Herchenröder
- B.A. Martina Traut

Language:

- offered only in German

PT1540-KP09 - Theory and practice of physiotherapeutical treatment II (PhyV2)

Duration:	Turnus of offer:	Credit points:
1 Semester	each summer semester	9

Course of study, specific field and term:

- Bachelor Physiotherapy 2016 (compulsory), Physiotherapy, 2nd semester

Classes and lectures:

- lymphatic drainage (exercise, 2 SWS)
- Physical therapy II (exercise, 5 SWS)
- hydro-, balneo-, thermo- and inhalation therapy (exercise, 2 SWS)

Workload:

- 135 Hours in-classroom work
- 135 Hours private studies

Contents of teaching:

Qualification-goals/Competencies:

Grading through:

- Oral examination

Is requisite for:

- Evidence-based practice in rehabilitation, prophylaxis and geriatrics (PT3000-KP06)
- Evidence-based practice in physiotherapy III (PT2520-KP06)
- Evidence-based practice in physiotherapy II (PT2500-KP08)
- Evidence-based practice in physiotherapy I (PT2000-KP07)

Responsible for this module:

- Prof. Dr. med. Arndt-Peter Schulz

Teacher:

- M. Sc. Martin Thiel
- MPH Christina Bienert
- M.Sc. Kirsten Großmann
- M. Sc. Susanne Klotz

Language:

- offered only in German

GW2020-KP06, PT2010-KP06 - Basics of pathology II (GdKl2)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	6

Course of study, specific field and term:

- Bachelor Physiotherapy 2022 (compulsory), foundations of human sciences, 3rd semester
- Bachelor Physiotherapy 2018 (compulsory), foundations of human sciences, 3rd semester
- Bachelor Physiotherapy 2017 (compulsory), foundations of human sciences, 3rd semester
- Bachelor Physiotherapy 2016 (compulsory), foundations of human sciences, 3rd semester

Classes and lectures:

- Basics of pathology II (Psychiatry) (lecture, 4 SWS)
- Basics of pathology II (Psychiatry) (seminar, 0,5 SWS)

Workload:

- 112 Hours private studies
- 68 Hours in-classroom work

Contents of teaching:

- Basics of neurological diseases, peripheral diseases, ataxia, aphasia and apraxia, stroke, dementia, inflammatory diseases of the central nervous system, multiple sclerosis, seizure diseases, neuro-oncology, myopathies, neurogenetic diseases, Parkinson's, myasthenic syndromes, degenerative-atrophic disorders, metabolically toxic disorders, Spinal cord syndromes, diagnostics.
- Basics of psychiatric illnesses, psychosomatics, schizophrenia and other psychotic disorders, affective disorders, anxiety disorders, obsessive-compulsive disorders, addictions, eating disorders, somatoform disorders, delirium and personality disorders.
- Pediatric diseases in the areas of neonatology, early childhood brain damage, head trauma, neural tube defects, neuromuscular diseases, peripheral paresis, diseases of the cardiopulmonary system, orthopedic diseases, juvenile ideopathic arthritis, pediatric oncology.
- Basics of gynecology, childbirth, breast and abdominal operations, oncology, hormonal disorders.
- Basics of dermatology and dermatological diseases, including atopic eczema, skin cancer, infection, psoriasis, allergology, acne.

Qualification-goals/Competencies:

- Students know the basics of module-related clinical patterns of the various medical disciplines, in particular pathogenesis, etiology, symptoms, disease progression and healing processes.
- They can name and describe module-specific interventions that contribute to the patient's recovery.
- They know the influence of special pathologies on the organism and can also reflectively consider the characteristics of special and critical care situations.
- They have a basic understanding of the care of morbid patients.
- They know the module-related specialist orientations and can differentiate between responsibilities.

Grading through:

- written exam

Responsible for this module:

- Prof. Dr. med. Norbert Brüggemann

Teacher:

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- Department of Dermatology, Allergology and Venerology
- clinic for pediatrics
- Clinic of Psychiatry and Psychotherapy
- Department of Neurology

- Prof. Dr. med. Dr. rer. nat. Enno Schmidt
- Prof. Dr. med. Achim Rody
- Prof. Dr. med. Egbert Herting
- Prof. Dr. med. Christoph Haertel
- Prof. Dr. med. Wolfgang Göpel
- Prof. Dr. med. Ute Thyen
- Prof. Dr. med. Matthias Kopp
- Prof. Dr. med. Thomas Münte
- Prof. Dr. med. Fritz Hohagen
- MitarbeiterInnen der Sektion Medizin

- PD Dr. med. Melchior Lauten
- Prof. Dr. Ulrich Schweiger

Literature:

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Language:

- offered only in German

Notes:

Admission requirements for taking the module:
- None

Admission requirements for participation in module examination(s):
- In the case of absences that are not taken into account by the MPhG, §11, Para. 2, the examination board may refuse admission to the final module examination.

Module exam(s):
- GW2020-L1: Fundamentals of Psychiatry 2, written exam, 60 min, 100% of the module grade.

PT2000-KP07 - Evidence-based practice in physiotherapy I (EBPrPhy1)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	7

Course of study, specific field and term:

- Bachelor Physiotherapy 2022 (compulsory), Scientific theory and practice, 3rd semester
- Bachelor Physiotherapy 2016 (compulsory), Scientific theory and practice, 3rd semester

Classes and lectures:

- Evidence-based practice in surgical treatment (seminar, 1 SWS)
- Evidence-based practice in internal medicine (seminar, 1 SWS)
- Evidence-based practice in surgical treatment (exercise, 2 SWS)
- Evidence-based practice in internal medicine (exercise, 2 SWS)

Workload:

- 150 Hours private studies
- 90 Hours in-classroom work

Contents of teaching:

- Pathobiological mechanisms such as wound healing and tissue stability
- Evidence-based examination and treatment of patients with a dominant nociceptive pain mechanism, e.g. after acute trauma or surgical treatment of the musculoskeletal system
- Cautionary situations and contraindications for the examination and treatment of patients after surgical treatment of the musculoskeletal system
- Physiotherapy guidelines / guidelines for treatment plans and treatments
- Consolidation and application of previously learned techniques and procedures
- Application and deepening of examination and treatment skills using patient cases
- Hypothesis-guided examination and treatment of cardiac output of various origins (e.g. impairment of the myocardium, coronary blood flow, heart rhythm and other heart structures, blood pressure regulation)
- Hypothesis-guided examination and treatment of perfusion, diffusion and ventilation
- Hypothesis-guided examination and treatment of the vascular and lymphatic systems
- Physiotherapeutic care for patients with chronic and acute diseases of the cardiorespiratory system (including PAVK, chronic respiratory diseases, acute respiratory diseases and patients requiring ventilation, heart attacks, heart surgery, oncological diseases)
- Physiotherapeutic care for patients with rheumatological diseases
- documentation
- Application of the theory models (model of human movement, salutogenesis, ICF, MDBB model)
- Physiotherapeutic care of long-term patients (including amputations, diabetes mellitus, rheumatology, multiple trauma)
- Aid supply
- Ethical issues

Qualification-goals/Competencies:

- The students are able to analyze patients with musculoskeletal and / or cardiopulmonary problems with regard to their functional health problem, to make a well-founded decision to act, to perform and afterwards to reflect on it.The methodological approach of the students is characterized by the use of the physiotherapeutic process, the inclusion of results from external evidence and the consideration of patient preferences.The acquired skills form the basis for evidence-based physiotherapeutic care for patients with musculoskeletal and / or cardiopulmonary problems in daily practice.

Grading through:

- practical exam

Is requisite for:

- Practical Course 3 (PT2551-KP09)
- Practical course 2 (PT2051-KP09)

Requires:

- Theory and Practice of Physiotherapeutical Treatment 1 (PT1040-KP10)
- Theory and Practice of Physiotherapeutical Treatment 2 (PT1540-KP8)
- Clinical diagnostics and decision making (PT1530-KP06)

Responsible for this module:

- Prof. Dr. Kerstin Lüdtke

Teacher:

- Institute of Health Sciences
- M.Sc. Adrian Roesner
- Martina Nachtsheim, B.Sc.

Language:

- offered only in German

Notes:

Admission requirements for taking the module:
- None

Admission requirements for participation in module examination(s):
- The examination performance can only be achieved if the final examinations of the modules PT1530-KP06, PT1040-KP10 and PT1540-KP08 have been successfully passed.
- In the case of absences that are not taken into account by the MPhG, §11, Para. 2, the examination board can refuse admission to the module final examination.

Module exam(s):
- PT2000-L1: Evidence-based Practice in Physiotherapy 1, practical examination, 100% of the module grade

PT2040-KP06 - Theory and practice of physiotherapeutical procedures III (PhyV3)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	6

Course of study, specific field and term:

- Bachelor Physiotherapy 2016 (compulsory), Physiotherapy, 3rd semester

Classes and lectures:

- Massage therapy II (exercise, 1 SWS)
- Physical therapy III (exercise, 5 SWS)

Workload:

- 90 Hours private studies
- 90 Hours in-classroom work

Contents of teaching:

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Qualification-goals/Competencies:

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Grading through:

- Oral examination

Is requisite for:

- Evidence-based practice in rehabilitation, prophylaxis and geriatrics (PT3000-KP06)
- Evidence-based practice in physiotherapy III (PT2520-KP06)
- Evidence-based practice in physiotherapy II (PT2500-KP08)

Responsible for this module:

- Prof. Dr. med. Arndt-Peter Schulz

Teacher:

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- M.A. Steffi Schulz
- M.Sc. Annett Heitling
- M.Sc. Kirsten Großmann
- Martina Nachtsheim, B.Sc.
- B.Sc. Jana Heide

Language:

- offered only in German

PT2050-KP10 - Practical course II (PrSPh2)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	10

Course of study, specific field and term:

- Bachelor Physiotherapy 2016 (compulsory), Physiotherapy, 3rd semester

Classes and lectures:

- practical course internal medicine/surgery I (external block practical course, 15,7 SWS)
- excursion I (external block seminar, 3,3 SWS)

Workload:

- 236 Hours in-classroom work
- 50 Hours excursion
- 14 Hours private studies

Contents of teaching:

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Qualification-goals/Competencies:

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Grading through:

- practical exam

Requires:

- Evidence-based practice in physiotherapy I (PT2000-KP07)

Responsible for this module:

- Dr. Minettchen Herchenröder

Teacher:

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- MitarbeiterInnen der kooperierenden Lehrkrankenhäuser
- M.Sc. Kirsten Großmann
- Dr. Minettchen Herchenröder
- Martina Nachtsheim, B.Sc.
- MPH Christina Bienert
- N.N.

Language:

- offered only in German

PT2510-KP08 - Biomechanics and medical training (BioMec)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	8

Course of study, specific field and term:

- Bachelor Physiotherapy 2022 (compulsory), 3rd semester
- Bachelor Physiotherapy 2018 (compulsory), 3rd semester
- Bachelor Physiotherapy 2017 (compulsory), 4th and 5th semester
- Bachelor Physiotherapy 2016 (compulsory), 4th and 5th semester

Classes and lectures:

- Biomechanics and medical training (lecture, 2 SWS)
- Medical and gait training (exercise, 2 SWS)
- Physical education (seminar, 1 SWS)
- Physical education (exercise, 1 SWS)

Workload:

- 150 Hours private studies
- 90 Hours in-classroom work

Contents of teaching:

- Physical, mechanical and mathematical basics
- Equilibrium theorem of mechanics
- Joint loading and internal forces
- Structural biomechanics of biological material (bones, ligaments, muscles, cartilage)
- Arthrokinematics and osteokinematics
- Biomechanics of the knee, shoulder, spine and hip
- Basics of training theory
- Basics of kinetics, center of gravity, support area, motor learning, functional kinetics, movement analysis
- Sports biomechanics, prophylaxis of sports injuries
- Diagnosis and treatment in rehabilitation, support concepts for athletes
- Medical training therapy and rehabilitation training
- Sports-specific rehabilitation training
- Ergonomic analyzes in the areas of work and leisure
- Gait analysis norm and pathology, derivation of treatment goals

Qualification-goals/Competencies:

- Students are able to distinguish between load and force arms and reflect on the potential impact of the law of leverage on their patients.
- They know basic principles of elastostatics and can transfer these to properties of biological structures.
- They can set up equilibrium conditions based on Newton's axioms and determine joint forces statically.
- They learn about mechanical stress scenarios of people with and without pathologies and can reflect on them.
- They can assign arthro- and osteokinematic movements.
- Students are able to analyze movements, to subdivide them into stages and to teach new movements taking into account the sensorimotor system, the body's center of gravity and its relationship to the support surface, performance physiology and the principles of motor learning.
- They can reflect the peculiarities of biomechanics in athletes and specific patient groups.
- They can describe scientific stress concepts for athletes and patients in rehabilitation situations and carry out targeted training and rehabilitation therapies.
- They know theories for improving ergonomics in leisure time and at work and can deal with and give instructions in appropriate care situations.

Grading through:

- written exam

Responsible for this module:

- Prof. Dr. rer. medic. Bernhard Elsner

Teacher:

- Institute of Health Sciences
- M.Sc. Annett Heitling

- externe Lehrbeauftragte
- Tom Frankenstein, M.Sc.

Language:

- offered only in German

Notes:

Admission requirements for taking the module:
- None

Admission requirement for participation in module examination(s):
- In the case of absences that are not taken into account by the MPhG, §11, Para. 2, the examination board can refuse admission to the final module examination.

Module exam(s):
- PT2510-L1:Biomechanics and Medical Training Theory, written exam, 90 min, 100% of the module grade

PT2500-KP08 - Evidence-based practice in physiotherapy II (EBPrPhy2)

Duration:	Turnus of offer:	Credit points:
1 Semester	each summer semester	8

Course of study, specific field and term:

- Bachelor Physiotherapy 2016 (compulsory), Physiotherapy, 4th semester

Classes and lectures:

- Evidence-based practice in neurology and psychiatry (seminar, 1 SWS)
- Evidence-based practice in orthopaedics, rheumatology and sports medicine (seminar, 1 SWS)
- Evidence-based practice in neurology and psychiatry (exercise, 2 SWS)
- Evidence-based practice in orthopaedics, rheumatology and sports medicine (exercise, 2 SWS)

Workload:

- 150 Hours private studies
- 90 Hours in-classroom work

Contents of teaching:

Qualification-goals/Competencies:

Grading through:

- practical exam

Requires:

- Theory and practice of physiotherapeutical procedures III (PT2040-KP06)
- Theory and practice of physiotherapeutical treatment II (PT1540-KP09)
- Theory and practice of physiotherapeutical treatment I (PT1040-KP09)
- Clinical diagnostics and decision making (PT1530-KP07)

Responsible for this module:

- M.Sc. Kirsten Großmann

Teacher:

-
- M.Sc. Kirsten Großmann

Language:

- offered only in German

PT2520-KP06 - Evidence-based practice in physiotherapy III (EBPrPhy3)

Duration:	Turnus of offer:	Credit points:
1 Semester	each summer semester	6

Course of study, specific field and term:

- Bachelor Physiotherapy 2016 (compulsory), Physiotherapy, 4th semester

Classes and lectures:

- Evidence-based practice in gynokology (seminar, 1 SWS)
- Evidence-based practice in paediatrics (seminar, 1 SWS)
- Evidence-based practice in gynokology (exercise, 1 SWS)
- Evidence-based practice in paediatrics (exercise, 2 SWS)

Workload:

- 105 Hours private studies
- 75 Hours in-classroom work

Contents of teaching:

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Qualification-goals/Competencies:

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Grading through:

- presentation

Requires:

- Theory and practice of physiotherapeutical procedures III (PT2040-KP06)
- Theory and practice of physiotherapeutical treatment II (PT1540-KP09)
- Theory and practice of physiotherapeutical treatment I (PT1040-KP09)
- Clinical diagnostics and decision making (PT1530-KP07)

Responsible for this module:

- MPH Christina Bienert

Teacher:

-
- Martina Nachtsheim, B.Sc.
- MHEd Meike Meewes

Language:

- offered only in German

PT2550-KP08 - Practical course III (PrSPh3)

Duration:	Turnus of offer:	Credit points:
1 Semester	every summer semester	8

Course of study, specific field and term:

- Bachelor Physiotherapy 2016 (compulsory), Physiotherapy, 4th semester

Classes and lectures:

- practical course internal medicine/surgery II (external block practical course, 15,7 SWS)

Workload:

- 236 Hours in-classroom work
- 4 Hours private studies

Contents of teaching:

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Qualification-goals/Competencies:

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Grading through:

- practical exam

Requires:

- Evidence-based practice in physiotherapy I (PT2000-KP07)

Responsible for this module:

- Dr. Minettchen Herchenröder

Teacher:

-
- MitarbeiterInnen der kooperierenden Lehrkrankenhäuser
- Martina Nachtsheim, B.Sc.
- MPH Christina Bienert
- M.Sc. Kirsten Großmann
- M.Sc. Adrian Roesner

Language:

- offered only in German

PT2560-KP05 - Practical course IV (PrSPh4)

Duration:	Turnus of offer:	Credit points:
1 Semester	every summer semester	5

Course of study, specific field and term:

- Bachelor Physiotherapy 2016 (compulsory), Physiotherapy, 4th semester

Classes and lectures:

- practical course paediatrics/gynaecology/psychiatry I (external block practical course, 9,5 SWS)

Workload:

- 143 Hours in-classroom work
- 7 Hours private studies

Contents of teaching:

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Qualification-goals/Competencies:

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Grading through:

- practical exam

Requires:

- Evidence-based practice in physiotherapy III (PT2520-KP05)
- Evidence-based practice in physiotherapy II (PT2500-KP08)

Responsible for this module:

- M.Sc. Annett Heitling

Teacher:

-
- MitarbeiterInnen der kooperierenden Lehrkrankenhäuser
- MPH Christina Bienert
- M.Sc. Kirsten Großmann
- Dr. Minettchen Herchenröder
- M.Sc. Annett Heitling
- B.Sc. Jana Heide
- N.N.

Language:

- offered only in German

GW3020-KP05, PT3010-KP05 - Interprofessional Communication and Care (IpKoV)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	5

Course of study, specific field and term:

- Bachelor of Science in Nursing 2020 (compulsory), interdisciplinary comprehensive nursing tasks, 5th semester
- Bachelor Psychology 2020 (optional subject), Interdisciplinary modules, Arbitrary semester
- Bachelor Applied Nursing (part-time) 2022 (compulsory), interdisciplinary comprehensive nursing tasks, 5th semester
- Bachelor Occupational Therapy/ speech therapy 2022 (compulsory), Overarching action in health care, 1st semester
- Bachelor Physiotherapy 2022 (compulsory), Scientific theory and practice, 7th semester
- Bachelor of Science in Nursing 2020 (compulsory), interdisciplinary comprehensive nursing tasks, 5th semester
- Bachelor of Science in Nursing 2018 (compulsory), interdisciplinary comprehensive nursing tasks, 5th semester
- Bachelor Physiotherapy 2018 (compulsory), Scientific theory and practice, 5th semester
- Bachelor of Science in Nursing 2017 (compulsory), interdisciplinary comprehensive nursing tasks, 5th semester
- Bachelor Physiotherapy 2017 (compulsory), Scientific theory and practice, 5th semester
- Bachelor Occupational Therapy 2018 (compulsory), Overarching action in health care, 1st semester
- Bachelor Physiotherapy 2016 (compulsory), Scientific theory and practice, 5th semester

Classes and lectures:

- Communication in complex care situations (exercise, 1 SWS)
- Inteprofessional decision and action in complex care situations (seminar, 2 SWS)

Workload:

- 105 Hours private studies
- 45 Hours in-classroom work

Contents of teaching:

- Interprofessional collaboration and communication: fundamentals, theories, practical application
- Interprofessional concepts in the healthcare system
- Principles of person-centred care
- Case work, interprofessional case conferences, handover
- Interprofessional skills training and communication training

Qualification-goals/Competencies:

- Students are familiar with theories of verbal and non-verbal communication and are able to conduct appropriate and job-related conversations with patients, relatives and persons from interdisciplinary subjects.
- They are able to independently conduct and analyse interprofessional case conferences, recognising cultural differences and adapting their communication accordingly.
- They are able to formulate precise oral and written reports.
- They can describe and explain the core elements of person-centred care.
- They are aware of the importance of successful interprofessional collaboration for person-centred care and can describe and justify scientifically proven conditions and characteristics of successful interprofessional collaboration.
- They can analyse exemplary situations in the care of chronically and/or multiply and/or severely ill people with regard to the requirements for interprofessional collaboration and develop evidence-based strategies for the implementation of person-centred interprofessional care.
- They have an in-depth understanding of the roles and tasks of the health professions involved in the module and actively integrate these into their own professional practice.

Grading through:

- Project work with documentation and presentations

Responsible for this module:

- Prof. Dr. Katrin Balzer

Teacher:

- Institute of Health Sciences
- Institute for Social Medicine and Epidemiology - Section for Research and Teaching in Nursing

- Prof. Dr. Katrin Balzer
- Saphira Anstett, B.Sc.
- PD Annette Fox-Boyer, PhD

- Frederike Lüth, M.Sc.
- Katrin Rösner, M.Sc.
- Melanie Kruschinski, B.Sc.
- Katharina Tolksdorf, M.Sc.
- Magdalena Scheytt, MScPH
- Martina Nachtsheim, B.Sc.
- Anne Jarck, M.Sc.

Language:

- offered only in German

Notes:

Admission requirements for taking the module:
- None

Admission requirements for participation in module examination(s):
- Active participation in practical exercises (skills training, communication training, handover, case work, minimum 80% attendance) in accordance with the requirements specified at the beginning of the semester

Module exam(s):
- GW3020-L1: Interprofessional communication and care, project work with documentation and presentations, 100% of the module grade.

For students of occupational therapy and speech therapy (SGO WS22) and physiotherapy (SGO WS22), the examination is ungraded (B certificate).

For nursing students (Nursing 2020), practice hours are integrated into this module.

(Share of the Institute of Health Sciences in Ü is 40%)
(Share of Institute of Social Medicine and Epidemiology- Nursing Section in Ü is 60%)
(Share of Institute of Health Sciences in S is 15%)
(Share of Institute of Social Medicine and Epidemiology - Nursing Section in S is 75%)
(Share of Institute of Social Medicine and Epidemiology - Nursing Section in P is 60%)
(Share of Institute of Health Sciences in P is 40%)

PT3000-KP06 - Evidence-based practice in rehabilitation, prophylaxis and geriatrics (EPrReh)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	6

Course of study, specific field and term:

- Bachelor Physiotherapy 2018 (compulsory), Scientific theory and practice, 5th semester
- Bachelor Physiotherapy 2017 (compulsory), Scientific theory and practice, 5th semester
- Bachelor Physiotherapy 2016 (compulsory), Physiotherapy, 5th semester

Classes and lectures:

- Evidence-based practice in geriatrics (seminar, 1 SWS)
- prevention and rehabilitation (lecture, 2 SWS)
- Evidence-based practice in geriatrics (exercise, 2 SWS)

Workload:

- 105 Hours private studies
- 75 Hours in-classroom work

Contents of teaching:

- Prevention concepts for specific target groups in different phases of life (including back school, fall prevention, obesity groups, diabetes groups, incontinence groups, birth preparation / regression groups, cardio and lung sports groups)
- Health aspects in social development with regard to prophylaxis
- Biopsychosocial rehabilitation concepts social participation, integration, inclusion and exclusion
- Quality of life and quality of care
- ICF / MDBB models
- Empowerment and resilience concepts
- Aid supply
- Integrated care for incontinence, dementia, migraines, dizziness
- Promotional factors to improve the participation of older clients and multimorbidity
- Rehabilitation concepts for patients in physiotherapeutic home care, taking multimorbidity into account
- Focus on neurorehabilitation in physiotherapeutic, home and inpatient care
- Geriatric assessments
- Special requirements for geriatric patients (physical, pharmaceutical therapeutic and psychological characteristics such as immobility, instability, intellectual incompetence, incontinence, inappetence, isolation, multimorbidity and polypharmacy)
- Creation of training concepts (fall prevention, dementia, etc.)
- Decision making and therapy goal planning
- Interprofessionalism in geriatric care

Qualification-goals/Competencies:

- Students have a deep understanding of module-related prevention and rehabilitation concepts and can make current prophylactic recommendations.
- They can recognize biopsychosocial circumstances and integrate them therapeutically.
- They are able to name and apply health science theory models.
- They can analyze and reflect on ethically challenging supply situations.
- They are able to adapt their therapeutic action to challenging supply conditions.

Grading through:

- written homework

Requires:

- Theory and practice of physiotherapeutical treatment II (PT1540-KP10)
- Theory and practice of physiotherapeutical treatment I (PT1040-KP08)
- Clinical diagnostics and decision making (PT1530-KP06)

Responsible for this module:

- Prof. Dr. Kerstin Lüdtke

Teacher:

- Institute of Family Medicine
- Institute of Health Sciences

- Prof. Dr. Kerstin Lüdtke

- Dr. med. Werner Hofmann
- Dr. med. Sonja Krupp
- M.Sc Anne Brust
- B.Sc. Janina Hanssen

Language:

- offered only in German

Notes:

Admission requirement for taking the module:
- None

Admission requirement for participation in module examination(s):
- The examination performance can only be achieved if the module final examinations in the modules PT1040-KP08, PT1540-KP10 and PT1530 have been successfully passed.
- Participation in a one-time prevention/rehabilitation practical course is obligatory as a preliminary examination performance.
- The preliminary examination performance must have been achieved and positively assessed prior to the initial examination.
- In the case of absences that are not taken into account by the MPhG, §11, Para. 2, the examination board may refuse admission to the final module examination.

Module exam(s):
-PT3000-L1: Evidence-based practice in rehabilitation, prophylaxis and geriatrics , written paper, 100% of the module grade

PT3050-KP09 - Practical course 5 (PrSPh5)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	9

Course of study, specific field and term:

- Bachelor Physiotherapy 2016 (compulsory), 5th semester

Classes and lectures:

- Practical Course Orthopaedics/Neurology (external block seminar, 17,7 SWS)

Workload:

- 266 Hours integrated internship hours
- 4 Hours private studies

Contents of teaching:

- Objective and documentation options for a personal development plan and progress
- Practical work in a specific medical field (musculoskeletal rehabilitation in an ambulant setting/Neurology)
- Independent planning, control and design of physiotherapy processes
- Knowledge deepening of the module-related, theoretically practical teaching through practical work on the patient
- Cooperation between student and mentor

Qualification-goals/Competencies:

- Students are familiar with basic internal processes in a specific medical department and have a higher level of understanding of clinical organization, specific clinical care situations and physiotherapeutic treatments.
- They have a broad understanding of the modes of action of movement-related systems (musculoskeletal, cardiovascular, cardiorespiratory, endocrine, metabolic and neurological/psychiatric) as well as its interaction and explain its influence on movement and health.
- The students analyze, assess and influence movement-related systems with regard to their specific structures and functions as well as influencing movement.
- They use general and specific assessment procedures that are standardized as possible, can explain them and specifically justify their diagnostic use.
- They plan, control, organize and design physiotherapeutic interventions to maintain the greatest possible independence, participation and quality of life.
- They apply goal-oriented and safe physiotherapeutic and educational measures and techniques to influence movement-related functions on the basis of the best current evidence, justify and evaluate their mode of action and reflect on their own actions.
- They use basic methods of communication, education and counseling.
- Together with the patients and their environment, the students look for practicable solutions to certain health problems and help to implement them.
- They shape the communication with patients and their caregivers in different physiotherapeutic situations, taking into account patient-friendly language and also manage emotionally challenging situations.
- They cooperate with other professions in order to coordinate the various therapy processes and approaches.
- They adapt the physiotherapeutic process design to the different care contexts.
- They can analyse themselves and their environment based on the basics of reflexive thinking, critically assess them and, if necessary,initiate changes.
- They can plan their own actions strategically and purposefully, taking into account the appropriate measures to optimal cooperation between them and their mentors.
- The students know the basics and strategies of reflexive thinking and can name and present them.

Grading through:

- practical exam

Requires:

- Evidence-based Practice in Physiotherapy 2 (PT2500-KP07)

Responsible for this module:

- Prof. Dr. Kerstin Lüdtke

Teacher:

- Institute of Health Sciences
- external institution

- MitarbeiterInnen der kooperierenden Lehrkrankenhäuser
- Dozierende des Fachbereichs Physiotherapie

Language:

- offered only in German

Notes:

Admission requirements for the module:
80% participation in the PT2500-KP07 module is a prerequisite for attending this module

Admission requirements for the exam:
The examination performance can only be taken there if the final module examination of PT2500-KP07 module has been successfully passed.
The examination board reserves the right to refuse a student admittance to an examination if they have not met the minimum attendance rate for mandatory courses, which is 80%.

Module exam:
practical exam
The grading is based solely on the practical exam.
Students must have achieved at least a grade of satisfactory on all of their examinations in order for these to be considered completed.

All information (e.g. content, rights and obligations) on the practical study phases are written down in the practical curriculum.

PT3060-KP05 - Practical course VI (PrSPh6)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	5

Course of study, specific field and term:

- Bachelor Physiotherapy 2016 (compulsory), Physiotherapy, 5th semester

Classes and lectures:

- practical course paediatrics/gynaecology/psychiatry II (external block practical course, 9,7 SWS)

Workload:

- 145 Hours in-classroom work
- 5 Hours private studies

Contents of teaching:

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Qualification-goals/Competencies:

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Grading through:

- practical exam

Requires:

- Evidence-based practice in physiotherapy III (PT2520-KP05)
- Evidence-based practice in physiotherapy II (PT2500-KP08)

Responsible for this module:

- M.Sc. Annett Heitling

Teacher:

-
- MitarbeiterInnen der kooperierenden Lehrkrankenhäuser
- M.Sc. Annett Heitling
- M.Sc. Kirsten Großmann
- Dr. Minettchen Herchenröder
- MPH Christina Bienert
- Martina Nachtsheim, B.Sc.
- N.N.

Language:

- offered only in German

PT3500-KP05 - Pain management and palliative treatment (SchmPal)

Duration:	Turnus of offer:	Credit points:
1 Semester	each summer semester	5

Course of study, specific field and term:

- Bachelor Physiotherapy 2022 (compulsory), 5th semester
- Bachelor Physiotherapy 2018 (compulsory), 6th semester
- Bachelor Physiotherapy 2017 (compulsory), 6th semester
- Bachelor Physiotherapy 2016 (compulsory), 6th semester

Classes and lectures:

- pain therapy and palliative treatment (lecture, 2 SWS)
- pain therapy and palliative treatment (exercise, 2 SWS)

Workload:

- 90 Hours private studies
- 60 Hours in-classroom work

Contents of teaching:

- Neurophysiology of pain
- Diagnosis and classification of pain
- Physiotherapeutic management of nociceptive, neuropathic and nociplastic symptoms
- Interprofessional collaboration in pain management
- Pain therapy and physiotherapeutic care for patients in intensive care or palliative care units
- Experimental pain paradigms
- Methods and questions of pain research

Qualification-goals/Competencies:

- Students know the neurophysiological basics of acute and chronic pain.
- They can reflect on social aspects of pain patients and integrate them therapeutically.
- They can differentiate between nociceptive, neuropathic and nodisciplastic pain and develop appropriate physiotherapeutic interventions.
- They are familiar with assessments and examination methods to record structural and psychosocial aspects of pain.
- They know the role of physiotherapy in a multi-professional treatment team, e.g. in a daily pain clinic.
- They know the current evidence on pain mechanisms and pain therapy and are able to develop their own research questions.
- They understand the importance of experimental pain paradigms and can distinguish between them in terms of their mechanisms.

Grading through:

- written exam

Responsible for this module:

- Prof. Dr. med. Carla Nau

Teacher:

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- Institute of Health Sciences

- Prof. Dr. med. Carla Nau
- Prof. Dr. Kerstin Lüdtke
- B.Sc. Stefanie Fimm
- M.Sc. Adrian Roesner
- PD Dr. rer. hum. biol. Tibor Szikszay
- PhD Gabriela Carvalho

Language:

- offered only in German

Notes:

Admission requirements for taking the module:
- None

Admission requirement for participation in module examination(s):
- In the case of absences that are not taken into account by the MPhG, §11, Para. 2, the examination board can refuse admission to the final module examination.

Module exam(s):
- PT3500-L1: Pain therapy and palliative treatment, written exam, 90 min, 100% of the module grade

PT3510-KP06 - The rehabilitative process (RePro)

Duration:	Turnus of offer:	Credit points:
1 Semester	each summer semester	6

Course of study, specific field and term:

- Bachelor Physiotherapy 2018 (compulsory), social sciences, 6th semester
- Bachelor Physiotherapy 2017 (compulsory), social sciences, 6th semester
- Bachelor Physiotherapy 2016 (compulsory), Physiotherapy, 6th semester

Classes and lectures:

- The rehabilitative process (lecture, 2 SWS)
- fundamentals of social sciences (seminar, 2 SWS)

Workload:

- 120 Hours private studies
- 60 Hours in-classroom work

Contents of teaching:

- International Classification of Functioning, Disability and Health (ICF)
- International and national reporting (World Report on Disability, Participation report)
- Rehabilitation care in Germany
- Methods and instruments for setting goals in rehabilitative care
- Indication-specific rehabilitation concepts
- Risks for returning to work
- Organization of professional reintegration
- Multi-professional cooperation in rehabilitation
- Rehabilitation health services research
- Benefit from rehabilitation care
- Conducting conversations
- Social inequality and health
- Basics of psychology, pedagogy, and psychology

Qualification-goals/Competencies:

- Students are able to present and apply the ICF as a classification system in order to improve the functional health ofrehabilitated.
- Students understand the distribution of health-related impairments and name the determinants of this distribution.
- Students are able to assess the responsibility of the various social insurance agencies in specific case situations.
- They are able to describe methods and tools for target setting in rehabilitation care and to use them in therapy planning.
- They are able to name indication-specific rehabilitation goals and to describe their importance for the design of orthopedic, cardiological, psychosomatic and oncological rehabilitation programs.
- They can name the actors and authorities that are relevant for successful professional reintegration and involve these actors and authorities.
- Through conversation, students are able to assess the risks of professional reintegration with rehabilitation patients and other persons involved in the rehabilitation process.
- They can describe the importance of multi-professional teamwork in rehabilitation using examples and identify barriers and factors for successful cooperation.
- They will be able to name the functions of rehabilitation health services research and develop application examples.
- They have the ability to critically assess the quality of studies to assess the benefit of rehabilitation care and to develop recommendations for action from the available findings.
- They know basic psychological, sociological, and pedagogical theories and can describe them
- They can describe the importance of social inequality for health and participation.

Grading through:

- Poster
- Group work

Responsible for this module:

- Prof. Dr. phil. Matthias Bethge

Teacher:

- Institute for Social Medicine and Epidemiology
- Prof. Dr. phil. Matthias Bethge

- Mag. rer. nat. Stella Lemke
- M. Sc. Miriam Markus
- M.A. David Peter Fauser
- M.A. Annika Sternberg
- M.A. Katja Spanier
- M.A. Hannes Banaschak
- PD Dr. phil. Ruth Deck

Literature:

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Language:

- offered only in German

Notes:

Admission requirements for taking the module:
- None

Admission requirements for participation in module examination(s):
- In the case of absences that are not taken into account by the MPhG, §11, Para. 2, the examination board can refuse admission to the final module examination.

Module exam(s):
- PT3510-L1: The Rehabilitative Process, poster, 100% of the module grade

PT3540-KP05 - Comprehensive physiotherapeutical treatment (UePhyVer)

Duration:	Turnus of offer:	Credit points:
1 Semester	each summer semester	5

Course of study, specific field and term:

- Bachelor Physiotherapy 2022 (compulsory), 6th semester
- Bachelor Physiotherapy 2018 (compulsory), 6th semester
- Bachelor Physiotherapy 2017 (compulsory), 6th semester
- Bachelor Physiotherapy 2016 (compulsory), 6th semester

Classes and lectures:

- overlapping physiotherapy procedures (exercise, 5 SWS)

Workload:

- 75 Hours in-classroom work
- 75 Hours private studies

Contents of teaching:

- Basics of further treatment techniques and concepts such as Cyriax, functional analysis, McKenzie, Maitland and trigger point therapy
- Theory and practice of electro-light and radiation therapy (physical principles, electrodiagnostics, various forms of electricity and fields of application, current studies on evidence)
- Presentation of various alternative treatment methods such as cranio-sacral therapy, visceral therapy
- Theory and practice of sling table treatment

Qualification-goals/Competencies:

- Students have a variety of treatment techniques and concepts and have the ability to perform them.
- Students know the scientific basics of electro-light and radiation therapy and can apply the appropriate forms of treatment professionally.
- They are able to professionally perform treatments at the sling table and in the exercise pool.
- They can name alternative forms of treatment and their indications and have the skills to perform them.

Grading through:

- State Examination
- practical exam

Responsible for this module:

- Prof. Dr. Kerstin Lüdtke

Teacher:

- external institution

- M.Sc. Adrian Roesner
- MitarbeiterInnen der kooperierenden Lehrkrankenhäuser
- PhD Gabriela Carvalho
- B.Sc. Arne Vielitz
- Andere Dozenten

Language:

- offered only in German

Notes:

Admission requirements for taking the module:
- None

Admission requirement for participation in module examination(s):
- In the case of absences that are not taken into account by the MPhG, §11, Para. 2, the examination board can refuse admission to the final module examination.

Module exam(s):
- PT3540-L1: Comprehensive physiotherapeutic procedures, practical examination, state examination, 100% of the module grade.
- Carried out as part of the state examination (examination part: electrotherapy, light therapy and radiation therapy)

PT3550-KP09 - Practical course V (PrSPh7)

Duration:	Turnus of offer:	Credit points:
1 Semester	each summer semester	9

Course of study, specific field and term:

- Bachelor Physiotherapy 2016 (compulsory), Physiotherapy, 6th semester

Classes and lectures:

- practical course orthopaedics/neurology 2 (external block practical course, 15,7 SWS)
- Excursion 3 (external block seminar, 0,7 SWS)

Workload:

- 236 Hours in-classroom work
- 24 Hours private studies
- 10 Hours excursion

Contents of teaching:

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Qualification-goals/Competencies:

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Grading through:

- practical exam

Requires:

- Evidence-based practice in physiotherapy II (PT2500-KP08)

Responsible for this module:

- M.Sc. Kirsten Großmann

Teacher:

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- MitarbeiterInnen der kooperierenden Lehrkrankenhäuser
- M.Sc. Kirsten Großmann
- MPH Christina Bienert
- Dr. Minettchen Herchenröder
- Martina Nachtsheim, B.Sc.
- N.N.

Language:

- offered only in German

PT3560-KP05 - Practical course V (PrSPh8)

Duration:	Turnus of offer:	Credit points:
1 Semester	each summer semester	5

Course of study, specific field and term:

- Bachelor Physiotherapy 2016 (compulsory), Physiotherapy, 6th semester

Classes and lectures:

- practical course paediatrics/gynaecology/psychiatry III (external block practical course, 9,5 SWS)

Workload:

- 143 Hours in-classroom work
- 7 Hours private studies

Contents of teaching:

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Qualification-goals/Competencies:

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Grading through:

- internship report

Requires:

- Evidence-based practice in physiotherapy III (PT2520-KP05)
- Evidence-based practice in physiotherapy II (PT2500-KP08)

Responsible for this module:

- M.Sc. Annett Heitling

Teacher:

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- MitarbeiterInnen der kooperierenden Lehrkrankenhäuser
- M.Sc. Annett Heitling
- Martina Nachtsheim, B.Sc.
- MPH Christina Bienert
- M.Sc. Kirsten Großmann
- N.N.

Language:

- offered only in German

GW3334-KP08 - Profile Workshop: Orthopedic Rehabilitation (PrWOR)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	8

Course of study, specific field and term:

- Bachelor Physiotherapy 2016 (optional subject), Interprofessional cooperation - profile workshop, 7th semester
- Bachelor Physiotherapy 2018 (optional subject), Profilwerkstatt, 7th semester
- Bachelor Physiotherapy 2017 (optional subject), Profilwerkstatt, 7th semester
- Bachelor Occupational Therapy 2018 (optional subject), Interprofessional cooperation - profile workshop, 3rd semester

Classes and lectures:

- lecture: Therapeutic action in challenging care situations (lecture, 1 SWS)
- Insight into Health Care processes (practical course, 1 SWS)
- Assessment and treatment planning in orthopedic rehabilitation (seminar, 3 SWS)

Workload:

- 165 Hours private studies
- 75 Hours in-classroom work

Contents of teaching:

- In-depth knowledge of various cross-sectional issues of patient care (including person-centered care, culturally sensitive work, dealing with progressive diseases, etc.)
- Internship in a physiotherapeutic or occupational therapy facility with a focus on orthopedics, rheumatology or musculoskeletal diseases or chronic pain diseases.
- Processing of clinical cases from an interprofessional perspective within the field of orthopedics, rheumatology, chronic musculoskeletal pain in the sense of an evidence-based approach (systematic research on assessments and therapeutic procedures for the patients in question, evaluation of the research results, creation of evidence-based plans for interprofessional findings and treatment , Deriving recommendations for practical implementation)
- Reflections on the client-centered communication of findings and on the common target agreement in terms of shared decision making
- Practical teaching units on interprofessional case presentations and discussions
- Practical teaching units for evidence-based assessment / examination of individual body regions
- Structural, organizational and legal framework conditions for care (e.g. therapeutic products guidelines)
- Personenzentrierung und Shared Decision Making aus interprofessioneller Perspektive
- Interprofessional assessment and treatment planning for typical diseases in orthopedic rehabilitation
- Evaluation of typical diagnostic procedures based on test methods, the significance of these procedures for interprofessional treatment planning
- Adaptation of typical treatment concepts to case studies from orthopedic rehabilitation, taking into account individual context factors and the preferences of those affected
- Components of the therapeutic process (e.g. goal setting, choice of treatment concept, outcome assessment, evaluation of results) from an interprofessional perspective, e.g. using case studies

Qualification-goals/Competencies:

- Students have a deeper understanding of therapeutic action in challenging care situations and expand their spectrum of ethically-reflectived action.
- They have a deeper understanding of the diseases in the field of orthopedics and of the health and everyday problems of the affected patients.
- In an interprofessional team, they can independently develop a case-related plan for a targeted and systematic survey and evidence-based interventions. They are able to set up indicators for measuring the therapeutic success.
- They can identify intersections and limits of the professional competencies of the different therapy occupations and use synergies in the assessment and treatment planning.
- hey are able to prepare findings appropriately for patients and interprofessional case reviews.
- They are able to formulate patient / client-centered therapy goals and know suitable assessments for them.
- They are able to independently develop a topic, carry out a systematic literature search, critically evaluate and prepare the results, derive independent conclusions for professional practice and present the results in accordance with scientific criteria.
- They can prepare scientific findings for a specialist audience in a practical manner.
- They independently contribute approaches to improve existing supply situations.
- In an interprofessional context, you can (co-) develop a plan for a targeted and systematic assessment of findings and evidence-based interventions on a case-by-case basis.
- They are able to set up outcome parameters for measuring the success of therapy and can evaluate assessments with regard to their

quality and areas of application.
- They can bring your own perspectives and competencies into the interprofessional exchange and group processes in a goal-oriented, constructive and solution-oriented manner.

Grading through:

- Oral examination

Responsible for this module:

- Prof. Dr. Kerstin Lüdtke

Teacher:

- Institute of Health Sciences

- Prof. Dr. Kerstin Lüdtke
- M.Sc. Adrian Roesner
- PD Dr. rer. hum. biol. Tibor Szikszay

Literature:

- :

Language:

- offered only in German

Notes:

Admission requirements for taking the module:
- None

Admission requirements for participation in module examination(s):
- None

Module examination(s):
- GW3334-L1: Profile Workshop Orthopaedic Rehabilitation, oral examination, 100% of the module grade

PT4000-KP06 - Health economics and quality management (GOeQM)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	6

Course of study, specific field and term:

- Bachelor Physiotherapy 2016 (compulsory), Physiotherapy, 7th semester

Classes and lectures:

- Health economics and quality management (lecture, 4 SWS)

Workload:

- 120 Hours private studies
- 60 Hours in-classroom work

Contents of teaching:

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Qualification-goals/Competencies:

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Grading through:

- written exam

Responsible for this module:

- MaHM Esther Vielitz

Teacher:

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- MaHM Esther Vielitz

Literature:

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Language:

- offered only in German

PT4011-KP08 - Profile workshop: neurotrauma and serious injuries (PrWNro)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	8

Course of study, specific field and term:

- Bachelor Physiotherapy 2016 (optional subject), Profilwerkstatt, 7th semester

Classes and lectures:

- lecture: Therapeutic action in challenging care situations (lecture, 1 SWS)
- course/project: Project work profile workshop (seminar, 1 SWS)
- Assessment and treatment planning in neurotraumatology and the severely injured (seminar, 2 SWS)

Workload:

- 180 Hours private studies
- 60 Hours in-classroom work

Contents of teaching:

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Qualification-goals/Competencies:

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Grading through:

- project work

Responsible for this module:

- PD Dr. med. Roland Thietje

Teacher:

- BG Trauma Hospital Hamburg
- PD Dr. med. Roland Thietje
- N.N.

Language:

- offered only in German

PT4012-KP08 - profile workshop (PrWGePa)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	8

Course of study, specific field and term:

- Bachelor Physiotherapy 2016 (optional subject), Profilwerkstatt, 7th semester

Classes and lectures:

- lecture: Therapeutic action in challenging care situations (lecture, 1 SWS)
- course/project: Project work profile workshop (seminar, 1 SWS)
- Assessment and treatment planning in geriatrics, palliative care and the chronically ill (seminar, 2 SWS)

Workload:

- 180 Hours private studies
- 60 Hours in-classroom work

Contents of teaching:

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Qualification-goals/Competencies:

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Grading through:

- project work

Responsible for this module:

- Dr. med. Martin Willkomm

Teacher:

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- Dr. med. Martin Willkomm
- Dr. med. Sonja Krupp
- N.N.

Language:

- offered only in German

PT4013-KP08 - profile workshop: geriatrics, palliativ medicine and chronical diseases (PrWPae)

Duration:	Turnus of offer:	Credit points:
1 Semester	each winter semester	8

Course of study, specific field and term:

- Bachelor Physiotherapy 2016 (optional subject), Profilwerkstatt, 7th semester

Classes and lectures:

- lecture: Therapeutic action in challenging care situations (lecture, 1 SWS)
- course/project: Project work profile workshop (seminar, 1 SWS)
- Assessment and treatment planning in paediatrics and child and adolescent psychosomatic medicine (seminar, 2 SWS)

Workload:

- 180 Hours private studies
- 60 Hours in-classroom work

Contents of teaching:

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Qualification-goals/Competencies:

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Grading through:

- project work

Responsible for this module:

- Prof. Dr. med. Ute Thyen

Teacher:

- clinic for pediatrics
- Prof. Dr. med. Ute Thyen
- N.N.

Language:

- offered only in German

PT4050-KP12 - Bachelor thesis in physiotherapy (PTBArbeit)

Duration:	Turnus of offer:	Credit points:
1 Semester	each semester	12

Course of study, specific field and term:

- Bachelor Physiotherapy 2022 (compulsory), Physiotherapy, 7th semester
- Bachelor Physiotherapy 2018 (compulsory), Physiotherapy, 7th semester
- Bachelor Physiotherapy 2017 (compulsory), Physiotherapy, 7th semester
- Bachelor Physiotherapy 2016 (compulsory), Physiotherapy, 7th semester

Classes and lectures:

- Bachelor thesis (supervised self studies, 1 SWS)
- seminar (seminar, 1 SWS)

Workload:

- 330 Hours work on an individual topic (research and development) and written elaboration
- 30 Hours in-classroom work

Contents of teaching:

- Deepening in a subject area agreed with the supervisor by self-study (subject area is closely related to the course content)
- Scientific procedure for the creation of the bachelor thesis
- Creation of a study protocol according to formal criteria for a bachelor thesis / scientific thesis
- Ethical aspects in the implementation of the Bachelor project

Qualification-goals/Competencies:

- Students have the ability to solve a subject-specific problem by applying appropriate scientific methods under guidance and with independent deepening of knowledge.
- They can plan and organize small projects independently.
- They know the scientific process for answering theoretical and empirical questions and implement it within their bachelor thesis.
- They can deepen scientific knowledge and elaborate it linguistically and formally.
- They can verbally present complex scientific findings in an comprehensible manner, can substantiate profound scientific knowledge in a discussion and can conduct evidence research.

Grading through:

- written exam, oral presentation, and defence of the experiment´s results

Responsible for this module:

- Prof. Dr. Kerstin Lüdtke

Teacher:

- All institutes of the University of Lübeck
- Alle prüfungsberechtigten Dozentinnen/Dozenten des Studienganges

Literature:

- :

Language:

- thesis can be written in German or English

Notes:

Admission requirements for the module:
none

Admission requirements for the exam:
The admission requirements according to §9 of the program regulations (SGO) apply

Module exam:
written work, oral presentation and defence.
The grading is based on the assessment of the written work, oral presentation and defense.
Students must have achieved at least a grade of satisfactory on all of their examinations in order for these to be considered completed.