

Module Manual – Short Version





Berufsakademie Sachsen Staatliche Studienakademie Plauen

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PRELIMINARY NOTE

The degree program of Physician Assistant at Staatliche Studienakademie Plauen is oriented towards the professional concept of " Physician Assistant - a new profession in the German health care system", issued by the German Medical Association and the National Association of Statutory Health Insurance Physicians in 2017.¹. It complies with the quality criteria for degree programs specified there². The training follows a generalist approach; a profile building is facilitated through the offered compulsory elective modules and practical phases.

Physician assistants assume tasks within the following scope of activities³:

- 1. Participation in diagnosing and the development of the treatment plan
- 2. Participation in complex examinations and the performance of medical-technical activities, unless restricted to special professional groups
- 3. Participation in the implementation of treatment plans
- 4. Participation in interventions
- 5. Participation in emergency treatment
- 6. Communication and provision of information by using a language that is appropriate to the addressees
- 7. Assistance with documentation

¹http://www.bundesaerztekammer.de/fileadmin/user_upload/downloads/pdf-Ordner/Fachberufe/Physician_Assistant.pdf

² ibid., p. 21

³ ibid., p. 9



PART I: COMPULSORY MODULES – MEDICAL FOUNDA-TIONS

ANATOMY / PHYSIOLOGY / PATHOLOGY / PATHOPHYSIOLOGY

Module: APPPY	Anatomy, Physiology,	, Pathology, Pathophysiology
10 ECTS		Semester: 1
tions in a h • Technical j • Principles • • Major path	ealthy person and their argon of pathology and signific ological mechanisms	of the human body, their physiological roles and func- interaction and interplay cance of endogenous and exogenous factors res and/or functions of basic physiological systems

MICROBIOLOGY AND GENERAL HYGIENE

Module: MBHYG	Foundations of Microb	iology and General Hygiene
5 ECTS		Semester: 1
 Microbiome Hazards ar Protective r tion) 	nd protective effects	ntion of infections (in particular disinfection and steriliza-

INTERNAL MEDICINE

Module: INMED	Internal Medicine
5 ECTS	Semester: 2
Cardiolo	bgy and angiology
Pneumo	logy
Hematology / Oncology	
Diabetol	ogy
Gastroer	nterology
Nephrology	
Infectiology	
Rheumatology	
Ultrasou	ind course



GENERAL, VISCERAL AND VASCULAR SURGERY

Module: ACHIR	General, Visceral and	Vascular Surgery
5 ECTS		Semester: 2
Pre and po	urgery	

SPECIAL SURGERY

Module: SCHIR	Special Surgery	
5 ECTS		Semester: 2
 Traumatole Orthopedic Heart surg Neurosurg Urology Gynecolog ENT 	ery	

EMERGENCY MEDICINE

Module: NFMED	Emergency Medicine	
5 ECTS		Semester: 3
Erris E		ment care units



PHARMACOLOGY / TOXICOLOGY

Module: PHATO Pharmacology / Toxico	ology
5 ECTS	Semester: 3
	and their applications in selected clinical pictures ts, preventive measures and possible treatments

CONSERVATIVE CLINICAL MEDICINE

Module: KLMED	Conservative Clinical Medicine	
5 ECTS		Semester: 3
 General med Pediatrics Geriatrics Ophthalmolo Dermatology Radiotherapy Neurology Psychosoma 	у у у	

FUNCTIONAL DIAGNOSTICS AND IMAGING METHODS

Module: FDBGV	Functional Diagnostic	cs and Imaging Methods
10 ECTS		Semester: 4
application and limits Physical fou CT scan, MF Cardiovascu Interventiona EEG, neurog Allergy tests Biopsy/rapid	s. ndations and radiation RI, ultrasound of organ lar diagnostics with EC al radiology graphy incision incision and transfusion medicir	areas with clinical references
Medical technology		



ANESTHESIA AND INTENSIVE CARE

Module: ANAES Anesthesia	Anesthesia and Intensive Care	
5 ECTS	Semester: 4	
 Preparation of an anes Main methods of anes Transfer of patients to t Postoperative intensive Pain therapy 	nesia intensive care unit or regular ward	

SURGERY

Module: OPLEH	Surgery	
5 ECTS		Semester: 5
 Surgery pr Execution Perioperat Perioperat Sterilizatio Instrument Selected s Minimally i 	anagement reparation, planning, orga of surgeries, post-surger ive pharmacology ive hygiene in ts, surgical technology surgical interventions invasive techniques surgery / principles and	ry care, aftercare

PART II: COMPULSORY MODULES – PROCESS AND QUALITY MANAGEMENT

FOUNDATIONS OF MEDICAL SCIENCE

Module: GLHKD	Foundations of Medica	al Science, incl. Anamnesis and Clinical Examination
9 ECTS		Semester: 1 - 2
 Basic principles, approaches and techniques of diagnostics, therapy and rehabilitation Preparatory anamnesis and orienting physical examination Classifying patients according to the degree of urgency and allocating them to a medical field 		
 Communicating results to the attending physician and documenting them professionally Presenting patients in a correct and systematic manner Age group, gender and migration specific characteristics, social medicine and epidemiology 		

- Age group, gender and migration specific characteristics, social medicine and epidemiology
- Physical principles of physiology and medical technology

GUIDELINES / THERAPEUTIC PATHWAYS / SOP

Module: LLSOP	Guidelines / Therape	eutic Pathways / SOPs
5 ECTS		Semester: 3
ating Pro Translati Handling lations o	ocedures (SOPs) ing guidelines and directiv g of electronic online porta	n of guidelines, therapeutic pathways and Standard Oper- res into therapy standards and SOPs als for guideline development and archiving as well as regu- t der Wissenschaftlichen Medizinischen Fachgesellschaften cal Societies)

CASE MANAGEMENT

Module: CAMGT	Case Management	
5 ECTS		Semester: 4
 Network development Interprofession Assessments, Special social 	peutic products າ uidance	e .



DOCUMENTATION / QUALITY MANAGEMENT

Module: DOKQM	Documentation and Quality Management	
5 ECTS		Semester: 5
 Foundations proaches, im Problems, de Quality mana Principles of Basic metho 	a medical documentat of quality assurance a portant concepts ecision fields and solut agement and quality a database work ds of statistical evalua esponsibilities of medic	and quality management (QM), current methods and ap- tion strategies ssurance systems tion

Delegable responsibilities of medical QM

PREVENTION / REHABILITATION

Module: PRREH	Prevention / Rehabilitation	
5 ECTS		Semester: 6
 Adequate co amples Foundations rate health m 	nsideration of these a	evention and rehabilitation pproaches and references in the context of practical ex- t the workplace and occupational medicine and corpo- n care



PART III: COMPULSORY MODULES – SYSTEM EXPER-TISE AND METHODOLOGICAL COMPETENCE

HEALTH CARE SYSTEM AND FOUNDATIONS OF BUSINESS ADMINISTRATION

Module: GSBWL	The German Health Ca	re System and Foundations of Business Administration	
4 ECTS		Semester: 1	
Structure of	f the German health care	e system	
 Basic busir 	ess administration terms	3	
 Methods of 	knowledge production ir	h business administration	
Constitutive decision fields of a company			
 Central bus 	Central business administration problems and decision fields		
 Approaches and instruments of systematic marketing 			
Methods of market research			
 Corporate goals under consideration of internal and external impact factors 			
Criteria for	• Criteria for different legal forms, selection of sites and other constitutive business decisions		

REMUNERATION SYSTEMS E-HEALTH

Module: VGSEH	Remuneration System	ms and E-Health	
Qualification Level: Bachelor		Semester: 2	
Remuneration and cost categories in the healthcare system			
 Approaches counting 	 Approaches and instruments of cost accounting systems and operational performance ac- counting 		
 Methodological knowledge of cost and activity accounting based on practical examples 			
 Principles of full cost accounting and direct costing, advantages and disadvantages, possible applications 			
 Technical, inference 	• Technical, informational and legal foundations of telemedicine and typical areas of application		



SCIENTIFIC WORK AND SOCIAL COMPETENCIES

Module: WASOK	Scientific Work and Social Competencies	
4 ECTS		Semester: 3
 Scientific Work Scientific work practices Technical, scientific terms, methods and mindsets Solution of concrete practical problems on the basis of scientific findings and the application of scientific working methods Operationalizable recommendations for action Ability for continuing education on the basis of appropriate specialist publications Techniques of systematic search, retrieval and use of scientific publications 		
 Foundations and techniques of scientific writing and scientific presentations Social Competencies Aspects of a target-oriented and sovereign conversation and relationship management Methods of conflict avoidance Efficient and target-oriented communication Empathy and solution-oriented conversation techniques Time and self-management methods Group dynamic processes and phases of team building and development 		

ETHICS AND LAW IN MEDICINE

Module: MEDRE	Ethics and Law in Medicine	
4 ECTS		Semester: 3
The right to professional		

CLINICAL STUDIES

Module: KLSTU CI	linical Studies	
4 ECTS	s	Semester: 5
 Tasks of study 	I and statistical foundat nurse and program co ents/study participants,	



PROJECT MANAGEMENT

Module: PROJM	Project Management	
5 ECTS		Semester: 6
UnderstandirChange andPlanning me		



PART IV: COMPULSORY ELECTIVE MODULES

HOSPITAL HYGIENE

Module: HYGWP	Hospital Hygiene (Foundations and Specialization)	
9 ECTS Semester: 5-6		Semester: 5-6
 Foundations and practice of the planning of hospital hygiene management and implementation of measures Assuming tasks of a hygiene officer in hospitals Implementing training elements in hospitals 		

Advising staff

MANAGEMENT OF EMERGENCIES

Module: NFMW	Management of Eme	rgencies (Foundations and Specialization)
9 ECTS		Semester: 5-6
 Collecting resituations Assisting the tions to wour Instruments Maintaining of the tions to would be the tions to woul	levant information, initi	ent, from first aid to the definite treatment of patients al care, launching diagnostics and mastering emergency care measures, from anesthesia over surgical interven- y

Following hygrenic standards
 Implementing quality assurance measures in emergency care

OPERATIVE PROFILE

Module: OPPW	Operative Profile (Foundations and Specialization)	
9 ECTS		Semester: 5-6
 Carrying out Stabilizing bo Procedures i Parenteral fe Special phar Surgical afte 	macology rcare, incl. subsequen	ng in these processes h external measures



ADMINISTRATION OF HEALTHCARE FACILITIES

9 ECTS Semester: 5-6 • Administration of facilities in the healthcare and social sector • Management fields • Analysis and management of operational processes • Personnel management • Corporate communication and marketing	Module: ADMW	Administration of Hea	althcare Facilities (Foundations and Specialization)
 Management fields Analysis and management of operational processes Personnel management Corporate communication and marketing 	9 ECTS		Semester: 5-6
 Implementing target-oriented management 	 Management Analysis and Personnel material Corporate co 	t fields management of opera anagement mmunication and mar	ational processes keting

OCCUPATIONAL MEDICINE AND PUBLIC HEALTH SYSTEM

Module: AMÖW	Occupational Medicin tion)	ne and Public Health System (Foundations and Specializa-
9 ECTS		Semester: 5-6
diseases o	on the other	ent, work and occupation on the one hand and health and
Specialization Occ	upational Medicine:	
 Promotion 	of health and performa	ance of the working person
 Preventior 	n, detection, treatment	and assessment of work-related health risks and diseas-
es		
 Rehabilita 		
Advising e		
		nary, aptitude and suitability examinations at work
•		ation results and medical prescriptions
	ic Health Care System	
 Advising p health pro 	oublic authorities on he	ection of public health concerns ealth issues, including planning and organizational tasks, vision, public hygiene, health supervision as well as dis-
Technique tude and s	s of examinations per	formed by public health authorities, precautionary, apti- s in general as well as for specific population groups (e.g. nts)
Proper doVaccination		ation results and medical prescriptions



PART V: PRACTICAL MODULES

WORK ON A REGULAR WARD

Module: STATE	Work on a Regular Ward	
6 ECTS		Semester: 1
 Preparing s Understand Carrying of ward Patients m Identifying Documenta 	kamination ating results to the doctor simple doctor's records ding medical cognitive a ut simple delegable med anagement	or nd decision-making processes lical measures and activities on the patient and on the nd reacting appropriately

ELECTIVE PATIENT ADMISSION

Module: ELEPA	A Elective Patient Admission	
6 ECTS		Semester: 2
 Anamnesia Principal s Structuring Transmitting Communic Preparing Preparing Document Patients a Participating 	s and physical examinating symptoms g documents and identify ng results correctly and in cating appropriately with preoperative surgical dis doctor's reports and furth cation, encoding and qual nd process management ng in inter-professional p	cussions her medical documents lity management



EMERGENCY DEPARTMENT

Module: NFAUF	: NFAUF Emergency Department		
6 ECTS		Semester: 3	
threatening Personal a Regulation Principal s Prioritizing Initiating e Cardiopulr Administra Supporting Evaluating	g conditions and third-party anamnesi as for emergency diagno symptoms of life-threaten diagnostics and therapy mergency measures in of monary resuscitation ation of emergency medie g the doctor in diagnostic typical laboratory result	ing conditions case of life-threatening conditions cation according to prescription s, pain relief, positioning etc. s	
emergenc	 Transmitting information correctly and in a way appropriate for specific recipients, also in emergency cases Support patients until they are transferred to the operating theater or a ward 		

Support patients until they are transferred to the operating theater or a ward

ENDOSKOPY / FUNCTIONAL DIAGNOSTICS

Module: ENDFD	Endoscopy / Functiona	I Diagnostics
6 ECTS		Semester: 4
 Radiography Computer tom Magnetic reso Scintigraphy Sonography Endoscopy Laboratory ex Cardiovascula Pulmonary fur elective: Neurophy Audiologi Ophthalm Allergy di 	nance imaging aminations or functional diagnostics nctional diagnostics vsiological functional diago cal and ENT functional diago	gnostics liagnostics
 Properly prej Planning woi Assisting doo Preparing prej Preparing pa Documentati 	ible complications and in paring instruments and d kflows ctors and carrying out sin eoperative surgical discu tients for examinations a on, electronic storage, q	evices in compliance with regulations



recipients

SURGERIES

Module: PRXOP	Surgeries	
6 ECTS		Semester: 5
 Airlocks, sur Fundamenta Complying w tions, process Preparing th Setting up bit Storage of in Handling of standard strength Assisting sur Planning wo Quality assur Documentation Proper committee 	ssing of instrument, im e positioning of patient omedical and X-ray te nages and videos surgical instruments ar rgeons and carrying ou rkflows rance ion of surgical services of surgical reports nunication in OP team ng patients to and fron	nic, anti and aseptic as well as radiation protection regula- plants and pathological and microbiological preparations ts and assisting in the process

BACHELOR THESIS

Module: BATHE	Bachelor Thesis	
12 ECTS		Semester: 6
 Students independently work on a practice-related problem within the stipulated timeframe and in target- and result-oriented way. They are supposed to apply scientific methods thei and practical expertise. Written thesis (50-60 pages) incl. defense 		