



Annex SFB

Studienfachbeschreibung (subject description, SFB) for the subject Physics as Unterrichtsfach with the degree "Erste Staatsprüfung für das Lehramt an Mittelschulen"

Responsible: Faculty of Physics and Astronomy

Examination regulations version: 2018

	Abbreviations used:	Course types: E = field trip, K = colloquium, O = conversatorium, P = placement/lab course, R = project, S = seminar, T = tutorial, Ü = exercise, V = lecture
		Term: SS = summer semester, WS = winter semester
		Methods of grading: NUM = numerical grade, B/NB = (not) successfully completed
		Regulations: (L)ASPO = general academic and examination regulations (for teaching-degree programmes), FSB = subject-specific provisions, SFB = list of modules
		Other: A = thesis, LV = course(s), PL = assessment(s), TN = participants, VL = prerequisite(s)
	Conventions for the modules in this SFB:	Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not cre- ditable for bonus.
ä	Information on assessment procedures:	Should there be the option to choose between several methods of assessment, the lecturer will agree with the module coordinator on the me- thod of assessment to be used in the current semester by two weeks after the start of the course at the latest and will communicate this in the customary manner.
		Should a module comprise more than one graded assessment, all assessments will be equally weighted, unless otherwise stated below.
		Should the assessment comprise several individual assessments, successful completion of the module will require successful completion of all individual assessments.

In accordance with the general regulations governing the degree subject described in this module catalogue:

LASPO2015

associated official publications (FSB (subject-specific provisions)/SFB (list of modules)):

11-Jul-2018 (2018-47)

This module handbook seeks to render, as accurately as possible, the data that is of statutory relevance according to the examination regulations of the degree subject. However, only the FSB (subject-specific provisions) and SFB (list of modules) in their officially published versions shall be legally binding. In the case of doubt, the provisions on, in particular, module assessments specified in the FSB/SFB shall prevail.

Every module will be described using the following form:

Abbreviation	Module title										
	ECTS		Duration	(in semesters)	Method of grading		Module level				
	Courses		To be spe	o be specified in the form X (y) with course type X abbreviated as specified above and number of weekly contact hours y							
	Method of as	ssessm	ent								
	Only after su completion of		Il if applica	if applicable							
	Other prereq	uisites	if applica	if applicable							
	Participants on of places		ocati- if applica	if applicable							
	Additional in	formati	on if applica	if applicable							
	Referred to in	n LPO I	if applica	ble (examination re	gulations for teaching	g-degree programmes)					

Scientific Discipline (54 ECTS credits)

Compulsory Courses (54 ECTS credits)

Classical Physics (23 ECTS credits)

Classical Physics (
11-E-M-152-m01	Classic	al Physi	cs 1 (Mee	chanics	hanics)								
	ECTS	8	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S			V (4) + Ü (2) Module taught in: Ü: German or English								
	Methoo	d of asse	essment	written examination (approx. 120 minutes) Language of assessment: German and/or English									
	other p	rerequis	sites	Admission prerequisite to assessment: completion of exercises (approx. 13 exercise sheets per semester). Students who successfully completed approx. 50% of exercises will qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the semester.									
	Additic	onal Info	rmation	Registration: If a student registers for the exercises and obtains the qualification for admission to assessment, this will be considered a declaration of will to seek admission to assessment pursuant to Section 20 Subsection 3 Sentence 4 ASPO (general academic and examination regulations). If the module coordinators subsequently find that the student has obtained the qualification for admission to assessment, they will put the student's registration for assessment into effect. Only those students that meet the respective prerequisites can successfully register for an assessment. Students who did not register for an assessment or whose registration for an assessment was not put into effect will not be admitted to the respective assessment. If a student takes an assessment to which he/she has not been admitted, the grade achieved in this assessment will not be considered.									
	Referre	d to in L	PO I		Nr. 1 a) Nr. 1 a)								

11-E-E-152-m01	Classical Physi	cs 2 (Hea	at and Electromagnetisn	ı)							
	ECTS 8	Duratior	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V (4) + Ü (2) Module taught in: Ü: German or English								
	Method of asse	essment	written examination (approx. 120 minutes) Language of assessment: German and/or English								
	other prerequis	sites	Admission prerequisite to assessment: completion of exercises (approx. 13 exercise sheets per semester). Students who successfully completed approx. 50% of exercises will qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the semester.								
	Additional Info		Registration: If a student registers for the exercises and obtains the qualification for admission to assessment, this will be considered a declaration of will to seek admission to assessment pursuant to Section 20 Subsection 3 Sentence 4 ASPO (general academic and examination regulations). If the module coordinators subsequently find that the student has obtained the qualification for admission to assessment, they will put the student's registration for assessment into effect. Only those students that meet the respective prerequisites can successfully register for an assessment. Students who did not register for an assessment or whose registration for an assessment was not put into effect will not be admitted to the respective assessment. If a student takes an assessment to which he/she has not been admitted, the grade achieved in this assessment will not be considered.								
	Referred to in L	-	§ 53 Nr. 1 a) § 77 Nr. 1 a)								
11-L-OW-172-m01	Optics and Waves										
	ECTS 7 Duratio										
	Courses		V (4) + Ü (2) Module taught in: Ü: Ge	erman or English							
	Method of asse		written examination (approx. 120 minutes) Registration: If a student registers for the seminar and obtains the qualification for admission to assessment, this will be or sidered a declaration of will to seek admission to assessment pursuant to Section 20 Subsection 3 Sentence 4 ASPO (gene academic and examination regulations). If the module coordinators subsequently find that the student has obtained the q lification for admission to assessment, they will put the student's registration for assessment into effect. Only those stude that meet the respective prerequisites can successfully register for an assessment. Students who did not register for an as sessment or whose registration for an assessment was not put into effect will not be admitted to the respective assessment If a student takes an assessment to which he/she has not been admitted, the grade achieved in this assessment will not be considered. Language of assessment: German and/or English								
	other prerequis	sites	Admission prerequisite to assessment: completion of exercises (approx. 13 exercise sheets per semester). Students who successfully completed approx. 50% of exercises will qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the semester.								
	Referred to in L	-	§ 53 Nr. 1 a) § 77 Nr. 1 a)								

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Structure of mater	ial (11 EC	TS cred	its)									
11-L-M1-NV-172-	Moder	n Physic	S 1									
m01	ECTS	6	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	unknown			
	Course	S			V (3) + Ü (2) Module taught in: German or English							
	Method of assessment				written examination (approx. 120 minutes) Language of assessment: German and/or English							
	Referred to in LPO I			§ 53 l	§ 53 Nr. 1 b)							
11-L-M2-NV-172-	Moder	odern Physics 2										
m01	ECTS	5	Duratio	n	2 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses				+ Ü (1) Ile taught in: Ü: Gerr	nan or English						
	Metho	Method of assessment			a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 20 minutes) Language of assessment: German and/or English							
	Referre	Referred to in LPO I			§ 53 Nr. 1 b)							
Computational Me	thods (6 ECTS credits)											
11-M-MR-152-m01	Mathe	matical	Methods	of Phy	sics							
	ECTS	6	Duratio	n	2 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Course	Courses			+ Ü (1) + V (2) + Ü (1) lle taught in: Germa							
	Metho	d of asse	essment	a) exe	ercises (successful c	completion of approx.	50% of approx. 13 exercise sh	eets) or b) talk	(approx. 15 minutes)			
	Referred to in LPO I			§ 53 Nr. 1 a) § 77 Nr. 1 a)								

Laboratory Course	I (9 ECT	S credit	s)										
11-P-FR1-152-m01	Data a	nd Error	Analysis										
	ECTS	2	Duration	า	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate				
	Course	s			V (1) + Ü (1)								
		-		Module taught in: Ü: German or English									
	Metho	d of ass	essment		written examination (approx. 120 minutes) Language of assessment: German and/or English								
	other p	other prerequisites			Admission prerequisite to assessment: completion of exercises (approx. 13 exercise sheets per semester). Students who successfully completed approx. 50% of exercises will qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the semester.								
	Additio	onal Info		consi- neral the qu stude for an sessn	Registration: If a student registers for the exercises and obtains the qualification for admission to assessment, this will be considered a declaration of will to seek admission to assessment pursuant to Section 20 Subsection 3 Sentence 4 ASPO (general academic and examination regulations). If the module coordinators subsequently find that the student has obtained the qualification for admission to assessment, they will put the student's registration for assessment into effect. Only those students that meet the respective prerequisites can successfully register for an assessment. Students who did not register for an assessment or whose registration for an assessment was not put into effect will not be admitted to the respective assessment. If a student takes an assessment to which he/she has not been admitted, the grade achieved in this assessment will not be considered.								
	Referred to in LPO I				§ 53 Nr. 1 c) § 77 Nr. 1 d)								
11-P-LA-152-m01	Laboratory Course Physics A(Mechanics, Heat, Electromagnetism)												
	ECTS	2	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate				
	Course	S		P (2)									
	Metho	d of ass		practical assignment with talk (approx. 30 minutes) Preparing, performing and evaluating (record of readings or lab report) the experiments will be considered successfully com- pleted if a Testat (exam) is passed. Exactly one experiment that was not successfully completed can be repeated once. After completion of all experiments, talk (with discussion; approx. 30 minutes) to test the candidate's understanding of the phy- sics-related contents of the module. Talks that were not successfully completed can be repeated once. Both components of the assessment have to be successfully completed.									
	Referre	ed to in l			§ 53 Nr. 1 c) § 77 Nr. 1 d)								

11-P-LB-152-m01	Laborat	tory Cou	urse Phys	ics B (Electricity, Circuits,	Atomic and Nuclear	Physics)						
	ECTS	5	Duration	1	2 semester	Method of grading	(not) successfully completed	Modul level	undergraduate				
	Course	S		P (2) ·	P (2) + P (2)								
	Methoc	l of asse	essment	Prepa plete comp sics-r	practical assignment with talk (approx. 30 minutes) Preparing, performing and evaluating (record of readings or lab report) the experiments will be considered successfully com- pleted if a Testat (exam) is passed. Exactly one experiment that was not successfully completed can be repeated once. After completion of all experiments, talk (with discussion; approx. 30 minutes) to test the candidate's understanding of the phy- sics-related contents of the module. Talks that were not successfully completed can be repeated once. Both components of the assessment have to be successfully completed.								
	other p	rerequis	sites	Stude	tudents are highly recommended to complete modules 11-P-LA and 11-P-FR1 prior to completing module 11-P-LB.								
	Referre	ed to in L	.PO I	§ 53 I	Nr. 1 b) (3 LP) and c) Nr. 1 c) Nr. 1 d)) (2 LP)							
Laboratory Course	II (5 ECT												
11-P-DP1-172-m01	Demon	stration	Laborato	ory Cou	y Course 1								
	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S		P (4)	•			•					
	Method of assessment			nutes	a) oral examination of one candidate each (approx. 10 minutes) or b) oral examination in groups (groups of 2, approx. 10 mi- nutes per candidate) Language of assessment: German and/or English								
	Referre	d to in L	PO I	§ 53 Nr. 1 c), § 77 Nr. 1 d)									
Teaching (12 ECTS	credits)												
Compulsory Cours	es (12 EC	TS cred	its)										
11-L-PD-172-m01	Physics	s Teachi	ing Conce	pts									
	ECTS	5	Duration	ı	2 semester	Method of grading	numerical grade	Modul level	unknown				
	Course	S		V (2) ·	+ V (2) + Ü (1)			•					
	Method	d of asse	essment	amina	a) written examination (approx. 60 minutes) or b) oral examination of one candidate each (approx. 15 minutes) or c) oral ex- amination in groups (groups of 2, approx. 15 minutes per candidate) or d) term paper (approx. 8 pages) Language of assessment: German and/or English								
	Referre	ed to in L	.PO I	§ 36 § 38 § 53 § 77	Nr. 1 Nr. 2								

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11-L-PDS-NV-152-	Physic	s Teachi	ng Conce	epts Se	minar							
m01	ECTS	2	Duratio	1 I	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Course	S		S (2)	5 (2)							
	Methoo	d of asse	essment	amina	a) written examination (approx. 45 minutes) or b) oral examination of one candidate each (approx. 10 minutes) or c) oral ex- amination in groups (groups of 2, approx. 10 minutes per candidate) or d) term paper (approx. 8 pages) Language of assessment: German and/or English							
	Referre	d to in L	PO I	§ 53 l	§ 53 Nr. 2							
11-L-L3S-152-mo1 Student Lab Preparation Course (Physics)												
	ECTS	5	Duratio	1 I	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		S (5)		· · · · ·		°				
	Methoo	d of asse	essment	amina hours	a) written examination (approx. 45 minutes) or b) oral examination of one candidate each (approx. 10 minutes) or c) oral ex- amination in groups (groups of 2, approx. 10 minutes per candidate) or d) term paper (approx. 8 pages) or e) portfolio (10 to 15 hours total) Language of assessment: German and/or English							
	Referre	d to in L	PO I	§ 53 l	Nr. 2							
Praktikum) which re Subsection 1 No. 4	for a tea efers to o LPO I (ex e counte	one of tł kaminat	ne subjec ion regula	ts they ations f	selected as vertieft or teaching-degree	studiertes Fach (sub programmes). The ob	lidactics and teaching methodo ject studied with a focus on the oligatory accompanying tutorial 10 Subsection 3 LASPO (genera	scientific disci is offered by th	pline) pursuant to Section 34			
11-L-SBPMS-152-	Physic	s: Practi	cal Traini	ing and	l Theory of Classroo	m						
m01	ECTS	4	Duratio	1	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Course	S		P (o) +	- S (2)							
	Methoo	d of asse	essment		oaper (15 to 20 pages age of assessment:	s) German and/or Engl	ish					
	Referre	d to in L	PO I	§ 34 I	1 Nr. 4							
Extra Skills (o-15 EC Teaching degree st			e module	es wortl	n a total of 15 ECTS c	redits in the area Fre	ier Bereich (general as well as	subject-specific	electives) (Section 9 LASPO (ge-			

neral academic and examination regulations for teaching-degree programmes)). To achieve the required number of ECTS credits, students may take any modules from the areas below.

Freier Bereich -- interdisciplinary: The interdisciplinary additional offer for a teaching degree can be found in the respective Annex "Ergänzende Bestimmungen für den "Freien Bereich" im Rahmen des Studiums für ein Lehramt".

Physics

(Freier Bereich (general as well as subject-specific electives) -- subject specific)

11-AP-152-m01	Astroph	ysics										
	ECTS	6	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	;			V (2) + R (2) Module taught in: German or English							
-	Method	of asse	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English								
-	Referred	d to in L	.PO I	§ 22	§ 22 II Nr. 1 h) § 22 II Nr. 2 f) § 22 II Nr. 3 f)							
11-P-VKM-152-m01	Prepara	tory Co	urse Mat	hemati	cs							
[ECTS 2 Duratio			۱	1 semester	Method of grading	(not) successfully complete	ed Modul level	undergraduate			
	Courses	;		T (2)								
-	Method	ofasse	essment	a) exercises (successful completion of approx. 50% of approx. 6 exercise sheets) or b) talk (approx. 15 minutes) Assessment offered: Once a year, winter semester								
-	Referred	d to in L	.PO I	§ 22 Nr. 1 h) § 22 Nr. 2 f) § 22 Nr. 3 f)								
11-ENT-152-m01	Principl	es of Er	nergy Tec	hnologies								
Ī	ECTS	6	Duration	l I	1 semester	Method of grading	numerical grade	Modul level	graduate			
-	Courses	5		V (3) + R (1) Module taught in: German or English								
-	Method	of asse	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: Once a year, winter semester Language of assessment: German and/or English								
-	Referred to in LPO I			§ 22 Nr. 1 h) § 22 Nr. 2 f) § 22 Nr. 3 f)								

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11-MIND-Ph1-152-	Low Co	st - Hig	h Impact.	Low-b	udget Experiments	for Science Courses	(Physics)					
m01	ECTS	2	Duratio	ก	1 semester	Method of grading	(not) successfully complete	d Modul level	undergraduate			
	Course	S	-3	S (2)			-	°.				
	Methoo	l of asse	essment		a) written examination (approx. 45 minutes) or b) oral examination of one candidate each (approx. 10 minutes) or c) oral ex- amination in groups (groups of 2, approx. 20 minutes) or d) term paper (approx. 8 pages)							
	Additio	nal Info	rmation	This r	This module is designed for students studying at least one subject in the natural sciences.							
	Referre			§ 22 § 22	§ 22 Nr. 1 h) § 22 Nr. 2 f) § 22 Nr. 3 f)							
11-MIND-Ph2-152-	Teachir	ng Scier	ice with H	lands-	on-Exhibits (Physic	:s)						
m01	ECTS	2	Duratio		1 semester	Method of grading	(not) successfully complete	d Modul level	undergraduate			
	Courses			S (2)								
	Methoo	d of asse	essment				or b) oral examination of one c minutes) or d) term paper (ap		pprox. 10 minutes) or c) oral ex-			
	Additio	nal Info	rmation	This n	nodule is designed	for students studyin	g at least one subject in the n	atural sciences.				
	Referred to in LPO I			§ 22	2 2 II Nr. 1 h) 2 2 II Nr. 2 f) 3 2 2 II Nr. 3 f)							
11-L-EL1-152-m01	Teachir	ng Semi	nar Fund	amenta	al Principles							
	ECTS 3 Duratio				1 semester	Method of grading	(not) successfully complete	d Modul level	undergraduate			
	Courses			S (2)								
	Method of assessment			a) term paper (approx. 8 pages) or b) presentation (approx. 45 minutes) or c) written examination (approx. 45 minutes) or d) oral examination of one candidate each (approx. 15 minutes) or e) oral examination in groups (groups of 2, approx. 15 minutes per candidate) Language of assessment: German and/or English								
	Referred to in LPO I			§ 22 Nr. 1 h) § 22 Nr. 2 f) § 22 Nr. 3 f)								
11-L-EL2-152-m01	Selecte	ed Topic	s in Phys	ics Didactics								
	ECTS	3	Duratio	ก	1 semester	Method of grading	(not) successfully complete	d Modul level	undergraduate			
	Course	S		S (2)			-	•				
	Method of assessment			a) term paper (approx. 8 pages) or b) presentation (approx. 45 minutes) or c) written examination (approx. 45 minutes) or d) oral examination of one candidate each (approx. 15 minutes) or e) oral examination in groups (groups of 2, approx. 15 minutes per candidate) Language of assessment: German and/or English								
	Referred to in LPO I			§ 22 Nr. 1 h) § 22 Nr. 2 f) § 22 Nr. 3 f)								

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11-L-L3B-152-m01	Student Lab Supervision (Physics)										
	ECTS	2	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Course	S		P (2)	~			·			
	Methoo	d of ass	essment		a) written examination (approx. 45 minutes) or b) oral examination of one candidate each (approx. 10 minutes) or c) oral ex- amination in groups (groups of 2, approx. 10 minutes per candidate) or d) term paper (approx. 8 pages)						
	Additio	nal Info	rmation	This r	This module is designed for students studying at least one subject in the natural sciences.						
	Referre	d to in L	.PO I	§ 22	§ 22 Nr. 1 h) § 22 Nr. 2 f) § 22 Nr. 3 f)						
11-L-APD-152-m01	Current	t Topics	of Teach	ing Co	ncepts in Physics						
	ECTS	3	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	Courses			S (2) Module taught in: German or English						
	Method of assessment			a) written examination (approx. 45 minutes) or b) oral examination of one candidate each (approx. 10 minutes) or c) oral ex- amination in groups (groups of 2, approx. 10 minutes per candidate) or d) term paper (approx. 8 pages) or e) talk (30 to 45 mi- nutes) with discussion							
	Referred to in LPO I			§ 22	Nr. 1 h) Nr. 2 f) Nr. 3 f)						
11-L-WPD-152-m01	Scienti	fic Worl	k in Teach	ing Concepts							
	ECTS 3 Du		Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Courses			S (2) Module taught in: German or English							
	Method of assessment			talk (30 to 45 minutes)							
	Referre	d to in L	.PO I	§ 22	§ 22 II Nr. 1 h) § 22 II Nr. 2 f) § 22 II Nr. 3 f)						

11-LX6-152-m01	Current Topics in Physics											
	ECTS 6 Duration		า	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S		V (3) +	V (3) + R (1)							
	Methoo	1 of ass	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English								
	other prerequisites			Approval from examination committee required.								
	Referred to in LPO I			§ 22 Nr. 1 h) § 22 Nr. 2 f) § 22 Nr. 3 f)								
11-LCS6-152-mo1	Selected Topics of Physics											
	ECTS 4 Duratio			า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V (2) +	+ R (1)							
	Methoo	1 of ass	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English								
	other prerequisites			Approval from examination committee required.								
	Referred to in LPO I			§ 22	Nr. 1 h) Nr. 2 f) Nr. 3 f)							

Thesis (10 ECTS credits)

Preparation of a written Hausarbeit (thesis) in accordance with the provisions of Section 29 LPO I (examination regulations for teaching-degree programmes) is a prerequisite for teaching degree students to be admitted to the Erste Staatsprüfung (First State Examination). In accordance with the provisions of Section 29 LPO I, students studying for a teaching degree Mittelschule may write this thesis in the subject Didaktik einer Fächergruppe der Mittelschule (Didactics of a Group of Subjects of Mittelschule), in the subject they selected as Unterrichtsfach (subject studied with a focus on the scientific discipline) or in the subject Erziehungswissenschaften (Educational Science). Pursuant to Section 29 Subsection 1 Sentence 2 LPO I, students may also choose to write an interdisciplinary thesis.

11-L-HA-MS-	Thesis	in Phys	ics Secon	dary General School					
UF-152-m01	ECTS	10	Duration	1 I		Method of grading	numerical grade	Modul level	undergraduate
	Course	S		No co	urses assigned to m	odule		°	
	Metho	d of asso	essment	Hausarbeit (thesis) pursuant to Section 29 LPO I (examination regulations for teaching-degree programmes) (approx. 40 pa- ges) Language of assessment: German; exceptions pursuant to Section 29 Subsection 4 LPO I (examination regulations for tea- ching-degree programmes)					
	Referre	d to in L	PO I	§ 29					

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