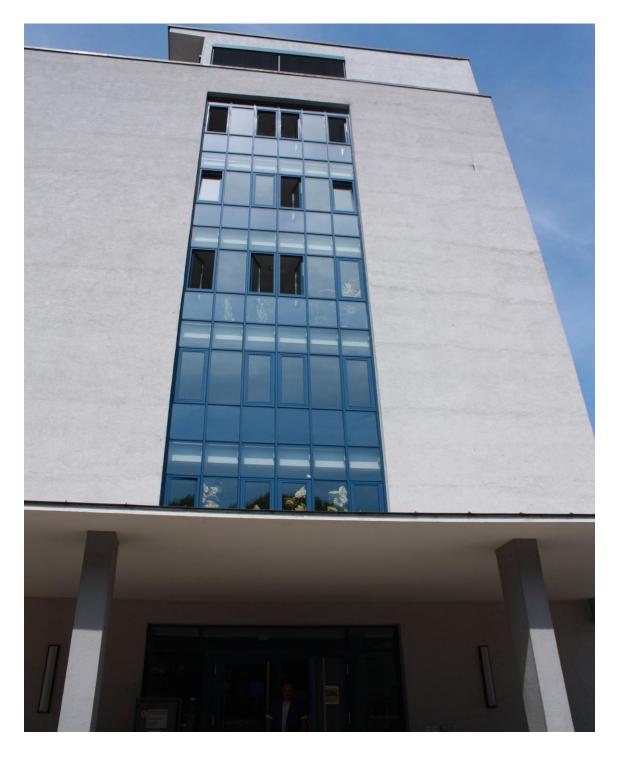
## Module Book

## M.Sc. Psychology

Albert-Ludwigs-Universität Freiburg
Faculty of Economics and Behavioral Science
Institute of Psychology

Stand: PO 2022, November 2023



# 1 Profile and structure of the Master of Science Psychology

#### 1.1 The Master's program

#### 1.1.1 Overview

Subject	Psychology
Degree	Master of Science (M.Sc.)
Duration	4 semesters / 2 years, standard duration of studies
Type/Format	consecutive, full-time studies on campus
ECTS	120 ECTS credits
Language	English and German
University	Albert-Ludwigs-Universität Freiburg
Faculty	Faculty of Economics and Behavioral Sciences
Institute	Institute of Psychology
Admission Requirements	Bachelor degree in Psychology, lasting at least three years with a minimum GPA of 2,5 (in the German grading system) at a professionally accredited German university or an otherwise accredited foreign university, 155 ECTS points in Psychology, of which at least 30 ECTS points in the field of psychological methodology, B2 English, B2 German
Intake	Winter semester (no summer semester intake possible)
Homepage	www.psychologie.uni-freiburg.de

#### 1.1.2 Profile and Qualification Goals

The Master of Science in Psychology is a two-year program comprising 120 ECTS points. It offers a broad and consecutive degree at an advanced level with a focus on psychological science. It comprises basic and application-oriented fields. Core areas are cognitive neuropsychology, the interplay of cognition and action, "higher" cognitive functions, learning and instruction, economic psychology, and issues of sustainability and communication. The Master of Science in Psychology also enables students to understand and apply advanced research methods as they relate to these fields. Students will furthermore acquire competence in planning and implementing research projects on basic and application-oriented research questions in different contexts and in psychological diagnostic processes and procedures, including the writing of expert reports. The curriculum comprises required modules as well as a broad range of elective modules, which permit students to create a profile of areas in which they deepen their knowledge and understanding. This is complemented by a module in which skills are acquired that enable students to apply acquired knowledge and competencies in small hands-on projects. Examples comprise the application of specific complex research methods, skills in the area of open science and science ethics, practice in science communication and in scientific writing.

#### Major qualification goals are

- to impart extended and advanced knowledge in basic and application-oriented fields of psychological research, including cognitive neuropsychology, cognition and action, higher cognition, learning and instruction, economic psychology, and sustainability and communication,
- to enable critical understanding of principles, concepts, processes, and theories in such fields,
- to qualify students to author scientific works grounded in a thorough methodological education,
- to enable students to conduct searches of the scientific literature on basic and application-oriented questions, to understand and critically assess the contents and methods of the relevant scientific works, and to synthesize the implications of the identified references,
- to enable students to plan and implement research projects in basic research and to communicate the outcomes to other scientists as well as to the public in appropriately audience-oriented ways,
- to convey knowledge of advanced research methodology and to acquire the ability to apply stateof-the art methods to analyze complex data structures,
- to gain knowledge and practice in the instruments, procedures, measures, and general principles of psychological diagnostics, including the writing of expert reports based on diagnostic outcomes in areas such as educational counseling and human resources.

In terms of competencies cross-cutting psychological sub-disciplines, degree holders will be able to inform colleagues, the public, institutions, and public authorities about relevant psychological evidence in professional contexts. They interpret the terminology, scientific evidence, and positions of their field and integrate a detailed and critical understanding of a range of specialized subfields in developing and applying independent problem solutions, taking into account societal and ethical implications of such solutions. They can communicate their ideas in an unambiguous way and engage in interdisciplinary exchanges about problems and solutions with scientists and laypersons at a high scientific level. They are able to conduct these exchanges with scientists and laypersons cooperatively and take on superordinate responsibilities. In addition to interdisciplinary skills in project management and communication as well as analytical, problem-solving and decision-making skills, the course promotes personal development and an understanding of lifelong learning.

#### 1.1.3 Modules, ECTS points

The master program is organized in modules. A module is a self-contained unit within a scientific topic or area that is defined by specific learning goals. Modules may consist of one or more courses. A course is the smallest unit described in this Module Handbook. There are different types of courses including lectures, seminars, and colloquia.

Module descriptions clarify elements such as title, qualification goals, teaching and learning methods, prerequisites for participation, course content, type of assessment, and how many ECTS credits according to the European Credit Transfer and Accumulation System (ECTS) the student will earn when completing the module successfully. These credits define the associated workload for the student. One credit is equivalent to a workload of 30 hours. The recommended number of ECTS credits to be completed per term is 30 ECTS credits. The ECTS credits define the weighting of a module within the entire master program and its impact on the final overall grade (similar to the Grade Point Average, GPA)

#### 1.1.4 Overview of all modules

Modules in the following superordinate areas are parts of the program:

Areas / Modules	ECTS points
Methods (Module Diagnostics and Assessment & Module Research Methods)	20
Basic and Application-Oriented Psychological Science (Modules Basic and Application-Oriented Psychological Science I & II)	42
Skills / Project Oriented Learning	8
Interdisciplinary Studies	6
Master's Module	34
Internship	10
Total	120

#### Methods

- Module Diagnostics and Assessment (10 ECTS)
- Module Research Methods (10 ECTS)

#### Basic and Application-Oriented Psychological Science

- Module Basic and Application-Oriented Psychological Science I (10 ECTS)
- Module Basic and Application-Oriented Psychological Science II (32 ECTS)
   Required Elective Modules (four modules out of six eligible modules, with the constraint that at least one module has to be chosen from the basic research focus area, BR, and from the application-oriented focus area, AO:
  - A. Cognitive Neuropsychology (BR)
  - B. Learning and Instruction (AO)
  - C. Cognition and Action (BR)
  - D. Economic Psychology (AO)
  - E. Higher Cognition (BR)
  - F. Sustainability and Communication (AO)

#### Skills / Project Oriented Learning

In this module, students choose specific skills to be acquired. Examples of such skills are listed in a catalogue involving research methods, skills related to open science, data security or ethics in psychological research, science communication and outreach, scientific writing, scientific teaching, and application of psychological knowledge in coaching and organizational contexts. Skills are aquired in self-organized work at the respective project. Project-oriented seminars focus on mentoring and supervision to support students to develop their own skills (8 ECTS). Students and teachers can also propose skills outside the catalogue with students' proposals being accepted conditional upon approval and supervision by a teacher of one of the seminars.

#### Interdisciplinary Studies

In the course of the study program of the Master of Science in Psychology, a non-psychological elective module has to be chosen. Six ECTS points have to be acquired in that module – the module has to be completed until the end of the study program. The following disciplines can be chosen:

- Biology
- Educational science
- Computer Science
- Cognitive Science
- Criminology
- Neurolinguistics

- Philosophy
- Sociology
- Sports Science
- Economic Sciences

#### Internship

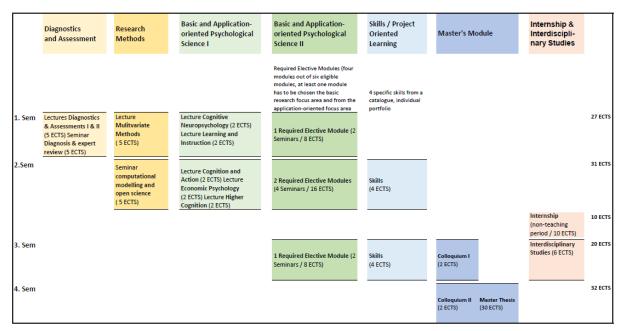
In the course of the master program, a professional work experience of a duration of 300 working hours comprising 10 ECTS points has to be completed as an internship. It is usually completed during the lecture-free periods. The internship provides the student with some work experience, but is also an excellent opportunity to explore a particular professional area and obtain hints for a future career. It can be done in Germany or abroad. Internships have to be independently sought and organized by the students, but all professors are willing to give tips and contacts from their networks on request. The internship has to be successfully completed before the admission to the master's thesis.

#### Master's Module

The Master's module comprises the master's thesis as well as two colloquia. The master's thesis is a written examination that takes the form of a scientific thesis presenting an original research project. Research project and thesis writing are conducted in the course of the third and fourth semester. Admission to the master's thesis requires 54 ECTS points, which must include those acquired in the modules "Research Methods", "Basic and Application-Oriented Psychological Science I" and "Internship". The master's thesis is to be completed within six months and is awarded with 30 ECTS points. The colloquia provide competencies in presenting and defending the design and results of psychological research projects. The colloquia comprise 4 ECTS points.

#### 1.1.5 Optional study plan

The optional study plan specifies which modules are planned for which semester, which modules are required modules and which ones are elective modules as well as how many ECTS points can be acquired per course.



The study plan accommodates the possibility to integrate a stay abroad. A suitable window is open in the second year of studies. Due to heterogeneous semester dates of the different European universities, the third semester as well as a stay of a full-year will fit in best. The Institute entertains a network for student exchanges with a sizeable number of attractive European university locations via the Erasmus

and Eucor program. The University Freiburg furthermore organizes stays beyond Europe via its International Office.

#### 1.1.6 Language

The master program comprises two modules that are taught in English with examinations optionally in English or German (Master's Module, Basic and Application-oriented Psychological Science I) two modules that are taught in German with examinations in German (Research Methods, Diagnostics and Assessment) as well as four modules that are taught and examined optionally in German or English (Basic and Application-oriented Psychological Science II, Skills, Internship, Interdisciplinary Studies).

For admission to the master program, proof of advanced language skills of B2 in German and B2 in English on the CEFR (Common European Framework of Reference for Languages) is required. Native speakers of German or English are exempt from this obligation for their native language.

#### 1.2 Occupational fields

The master program conveys the competence to work in a wide range of occupational fields and as free-lance psychologists based on scientific knowledge and methods. Graduates are qualified to work in fields requiring competence in work and organizational psychology such as in the human-resources field. They are qualified to offer diagnostic and consulting services in different fields – for example, in educational contexts such as in schools and in adult education. Graduates are equipped with the methodological competence and communication skills required for employment in marketing, data science, and public relations, among others. Another large field of employment open to graduates is academic and non-academic research both in basic and application-oriented research.

#### 1.3 Study organization

The study contents are imparted via different teaching and learning formats. In the course of the master program, different formal enrolment requirements and modalities of verification of accomplishments need to be heeded.

#### 1.3.1 Course Types

#### Lecture

A number of the courses of the master program are lectures. Lectures offer an integrated and consecutive presentation of basic and specialized psychological knowledge and methods. A lecture thereby serves a central function; it provides an overview of problems, procedures and results of a field of study.

#### Seminar

Seminars elaborate on the knowledge imparted in lectures. They enable students to engage in independent scientific activities and to engage deeply – alone or in groups – with a given topic. In a seminar, these deepened contents are not solely imparted by the teacher. Instead and in addition, students work out a given topic largely independently in small groups or on their own and present their results to the participants of the seminar in the form of an oral presentation. These presentations are in general followed by group discussions that offer opportunities for reflection and constructive criticism. In addition, a written assignment in the form of, for example, a written report, a scientific poster, or a learning protocol is regularly required. The cross-domain competencies that are usually fostered by

seminars – such as analyzing, reflecting, discussing, and presenting – can only be successfully acquired in the group and under guidance so that seminars will usually require the students' in-person attendance. Besides lectures, seminars constitute a major part of curriculum of the master program.

#### Colloquium

In colloquia, current and completed master's theses as well as other current research projects are presented and discussed. Successful participation in a colloquium usually involves an oral presentation and a written elaboration on the part of the participants.

Lectures, seminars and colloquia are accompanied by the students' self-study. The scientific works required for self-study are available via the institute's library or the university library or in online formats.

#### 1.3.2 Registration

There are different procedures of registration for participation in a course and for the associated course work (Studienleistung) and examination (Prüfungsleistung).

#### Participation in courses

For participation in lectures, seminars, and colloquia, enrolment in the course is required via the electronic campus management system (HISinOne) within the period prescribed. For students in higher semesters, enrolment usually takes place at the end of the lecture period of the preceding semester. Beginning students enroll in the first week of the lecture period. The exact dates of the enrolment period and details of the enrolment procedure can be found on the webpages of the master program in the section "university calendar (Vorlesungsverzeichnis)".

#### Examinations

For course-related examinations and course works (studienbegleitende Prüfungs- und Studienleistungen), separate registrations over and above the course enrolments are required via the electronic campus management system (HISinOne) within the prescribed period. The registration period is usually in the middle of the lecture period. The exact dates and details on the enrolment procedure can be found on the webpage of the examination office of the Institute for Psychology.

#### 1.3.3 Examination Regulations and Assessment Types

The content and organization of studies are defined by the respective Subject-Specific Examination Regulations (Prüfungsordnung, PO) for each program and the General Examination Regulations (Rahmenordnung). The latter provide the overarching regulatory framework of a certain degree, in our case all Master of Science programs at the University of Freiburg. This Module Handbook has been compiled according to the Subject-Specific Examination Regulations 2022 for the Master of Science Psychology. They define all formal and legal aspects of this specific study program.

Generally speaking, students can complete a module/course in two ways: with an examination (Prüfungsleistung PL) and/or a course work (Studienleistung SL). Whether a course completes with a PL and/or SL is defined in the Subject-Specific Examination Regulations as well as further outlined in the module descriptions on the subsequent pages.

The ECTS points specified for the individual courses, modules, and other achievements are granted once all required course-related examinations and course works (PL and SL) have successfully been completed.

#### Course works (Studienleistung, SL)

Course works (Studienleistungen SL, pass/fail assessments) are individual written, oral, or practical works that are produced by students as part of a course. They can, for example, consist of regular participation (according to §13 (2) of the general Master of Science requirements and regulations) completed work sheets, written protocols, oral presentations, project work and teamwork. The extent and kind of course work (SL) for each individual course is announced at the start of each course. Course works (SL) are evaluated, but usually not graded. For successful completion and recognition, the specified minimal requirements must have been satisfied. The evaluation of the course achievement is, however, not part of the final grade. Course works (SL) are a part of almost all courses. The course works (SL) are specified below for each course. For taking on the course work (SL) assignment, a registration (see above) is required.

#### Examinations (Prüfungsleistungen)

Modules or courses are examined concurrently within the module or course (studienbegleitend), respectively. Examinations (Prüfungsleistungen PL) are written works taking the form of a written monitored examination, written homework (essays, reports, exercises,...) or the master's thesis. In courses with a course-related examination, the kind of examination (PL) is specified at the start of the course. The examinations are organized and graded by the teacher or teachers of the module in the case of module-related examinations and by the teacher of the course in the case of course-related examinations. The grade becomes part of the final grade. For completing examinations (PLs), a registration is required within the prescribed registration period.

In courses that end with a course-related examination (PL), course-related course work (SL) must also be completed as a rule. ECTS points can only be granted if the module-related or course-related examination (PL) has been passed, and successful completion of the required course work (SL) has been verified. For each course and module, the examination (PL) requirements are specified below.

## 2 Module descriptions

Module	Diagnostics and Assessment		Module Responsible Schönauer						
Usability	M.Sc. Psychology			Module Code 03LE36MO-932-1000					
Duration		2 Semester	_						
Frequency	☐ half-yearly	yearly	_						
Module Type	□ Required Module	Required Elective Module	Elec	☐ Elective Module					
Tarabian and Lagurina Mathada									
Teaching and Learning Methods	2 Lectures, 1 Seminar								
			Type	SWS	Sem	ECTS			
	Diagnostics and Assess	sment I Principles and Models	V	1	1	2			
	Diagnostics and Assessment II Fields of Application		V	1	1	3			
	Diagnostics and Assess Reports	sment III Diagnosis and Expert	S	2	1	5			
Qualification Goals	Subject Competencies: Students will learn to de test-theoretical models appropriate to apply in a evaluate expert reports account of ethical princi	provide knowledge and skills in psoth methodlogically and with a view evelop and evaluate psycho-diagnorm and to decide on the basis of sciera given diagnostic context. They won diagnostic questions in different ples in writing expert reports, as work competence and judgmental procession.	w to application  postic instrume  ntific criteria w  ill be instructe  at applied control  rell as to ackn	ons.  Ints according diagod how to texts, to take the control of t	ding to cu nostic too provide a ake adequ	irrent I is nd uate			
	Cross-cutting competencies:  Overarching competencies are acuqired through applied exercises in a range of different fields of psychological professional activity and by reflecting on the context and conditions of psychological testing practises and the writing of expert opinions.								
Module Content									
	quality control in psycho models and methods, as expert reports. It further	cus on the diagnostic process, in pological diagnostics. It teaches the s well as methods of goal setting, relays the selection and application at hand and the interpretation a	writing of exp design, comp on of diagnost	ert report osing, and ic instrum	s, diagno d presenta nents appi	stic ation of			
	Course content: Diagnostics and Assessment I: The diagnostic process; diagnostic models and methods. Principles of clinical diagnosis. Principles, quality criteria and exigensies of expert reports. Diagnostics and Assessment II: Diagnosis and expert reports in different fields of application such as personal selection, educational processes, organizational diagnostics. Opportunities and limits of diagnostical instruments in these fields. Seminar: Selection and application of psychodiagnostic procedures and tools. Writing of expert opinions. Interpretation and communication of diagnostic results.								
Language	-								
	German								
Prerequisites for Attendance	- None								

Prerequisites for Pass/Fall and Grad Exams	SL: Regular participation, preparation of one lesson of the seminar based on given literature in consultation with the seminar leader. Design of the seminar lesson with the help of an oral presentation (10-30 minutes), moderation, one expert report, 10000-30000 characters incl. spaces (seminar).  PL: Written exam 90 minutes duration (lectures).
Grade Composition	grade written exam (module exam)
Workload	Total Workload 300h: Attendance 60h, Self-Study 240h

Module	Research Methods		Module Responsible Klauer						
Usability	M.Sc. Psychology		Module Code O3LE36MO-932-2000						
Duration	☐ 1 Semester								
Frequency	☐ half-yearly	yearly							
Module Type	□ Required Module	Required Elective Module	☐ Ele	☐ Elective Module					
Teaching and Learning Methods	1 Lecture, 1 Seminar								
			Туре	SWS	Sem	ECTS			
	Multivariate Methods		٧	2	1	5			
	Computational Modellin	g and Open Science	S	2	2	5			
Qualification Goals	scientific research. Whil	nto two courses that cover the plan le theoretical foundations are laid in students for the application and inte	the lecture,	the accor	npanying	seminar			
	Subject Competencies:  The content of the module should enable students to critically evaluate the results of psychologic studies, to plan their own studies, and to analyze data they have collected themselves using multivariate procedures. In addition, students will learn to apply complex and multivariate data collection and analysis methods (such as structural equation modeling or hierarchical linear models).  The associated seminar enables students to explicate the roles that mathematical and statistical models play at multiple levels of data evaluation as well as to discuss the merits and limitations of different evaluation and modeling strategies with a focus on formal modeling of cognitive processes. Students will learn to evaluate and comply with open-science requirements in planning new research and in evaluating existing research.					ng data ar tistical tions of			
	<u>Cross-cutting competencies:</u> Acquisition of complex statistical analysis methods and statistical modeling. This will lay the foundations for planning one's own studies and for evaluating them, especially for research in cognitive psychology. In dealing with original literature, the appropria and critical interpretation of scientific findings from a methodological perspective will be learner								
Module Content	modeling, and procedur Course content: In the course "Multivaria regression analysis, will and hierarchical linear ndiscussed. Basics of methe definition and interpabove the acquisition of	ate Methods" the variance analytical be taught at an advanced level. In models, other standard multivariate easurement theory will be covered retation of mathematical and statist theoretical knowledge, the applicant ples involving modeling is also a formathematical in the statist of the statist in the statist of the sta	al methods, ir addition to s methods (e. in depth. In tl tical models v ttion of this ki	ncluding listructural eg. cluster ne accomwill be disnowledge	near and equation r analyses) panying s cussed. C to unders	logistic models ) are eminar Over and stand and			
Language									
	German								
Prerequisites for Attendance	None								

Prerequisites for Pass/Fall and Grade Exams	
	SL: Regular participation, preparation of one lesson of the seminar based on given literature in consultation with the seminar leader. Design of the seminar lesson with the help of an oral presentation, of a poster, presentation (15-30 min), exercise parts for the seminar participants including moderation of the discussion. In addition, small project works are required in the seminar consisting of analyses of 3-7 assigned data sets by means of instructed methods (seminar). PL: Written exam 90 minutes duration (lecture).
Grade Composition	grade written exam (module exam)
Workload	Total Workload 300h: Attendance 60h, Self-Study 240h

Module	Basic and Application-Oriented Psychological Science		Module Responsible Renkl					
_Usability	M.Sc. Psychology		Module Code 03LE36MO-932-3000					
Duration	☐ 1 Semester							
Frequency	☐ half-yearly							
Module Type	□ Required Module	Required Elective Module	Elec	ctive Mod	ule			
Teaching and Learning Methods	5 Lectures		<b>T</b>	014/0	0	5070		
	Cognitive Neuropsycholo	av	Туре	SWS	Sem	ECTS		
		99	V	1	1	2		
	Learning and Instruction		V	1	1	2		
	Cognition and Action		V	1	2	2		
	Economic Psychology		V	1	2	2		
Qualification Goals	Higher Cognition		V	1	2	2		
Module Content	An important overall goal of these lectures is to enable the students to characterize the essentials of important fields of psychological research. On this basis, further courses and the research area of the master thesis can be selected for specialization.  Subject Competencies: The student can explain the major paradigms, theories, research approaches, and findings in important fields of psychological research both in areas that are devoted primarily to basic research for understanding the human mind (Cognitive) Neuropsychology, Cognition and Action, Higher Cognition) and to use-inspired (basic) research (Learning and Instruction, Economic Psychology). In addition, they can explain the relations between the concepts and methods in the five single areas and they can apply concepts and methods learned in one area in the respective other areas.  Cross-cutting competencies: The student can critically evaluate theories, methods, and findings, also with respect to their interrelations, in research on psychological and related topics.  Module content: The contents covers knowledge about major paradigms, theories, research approaches, and findings in the fields of neuropsychology, Learning and Instruction, Cogntion and Action, Economic Psychology, and Higher Cognition (for details see next paragraph).  Course content: The lecture Cognitive Neuropsychology gives an overview on the neural basis of essential cognitive functions and discusses how neurocognitive processes contributes to human experience and behavior in both adaptive and maladaptive ways. The lecture Learning and Instruction provides an overview of research on instruction (i.e., teaching and instructional design) and learning processes, with an emphasis on their interplay when determining learning outcomes. The lecture Cognition and Action provides an overview on current themes related to the interplay cognition and action; it elaborates on basic cognitive functions such as attention, cognitive control working memory and their impact on goal-setting and pe							
Language								
Prerequisites for Attendance	Instructional language: El None	nglish, examination language: Englis	sh or Gern	nan				

Prerequisites for Pass/Fall and Grade Exams	SL: Written assignment 500 words (essay or summery), (can be taken in one of the five lectures) PL: Written exam 90 minutes duration (all lectures)
Grade Composition	grade written exam (module exam)
Workload	Total Workload 300h: Attendance 75h. Self-Study 225h

Module	Required Elective Modules		Module Responsible Renkl			ıkl
Usability	M.Sc. Psychology		Module Code 03LE36KT-932-4000			
Duration	☐ 1 Semester	☑ 4 Semester				
Frequency						
Module Type	☐ Required Module	□ Required Elective     □ Module     □ Module	_ Ele	ctive Mod	ule	
Teaching and Learning Methods	modules, with the constr	es (four modules out of six eligible aint that at least one module has to earch focus area (BR) and from the is area (AO)):	Type	SWS	Sem	ECTS
	Cognitive Neuropsychological	, ,,	S+S	2+2	1-4	4+4
	Learning and Instruction Cognition and Action (BF Economic Psychology (A	(AO) R)	S+S	2+2	1-4	4+4
	Higher Cognition (BR) Sustainability and Comm		S+S	2+2	1-4	4+4
	·	. ,	S+S	2+2	1-4	4+4
	four selected areas that contribute to the individual qualification profile. The students acquire such qualifications in at least one area of basic research and of application-oriented research. <u>Subject Competencies</u> : The specific competences differ between the single modules - see the respective optional required elective modules <u>Cross-cutting competencies</u> : The specific cross-domain competences differ between the single modules - see the respective required elective modules					
Module Content	as well.  Module content: see the	ncies to be acquired differ between the respective required elective modules respective required elective modules	-	nodules, t	he conter	nts differ
Language						
	See the respective requi	red elective modules				
Prerequisites for Attendance	None					
Prerequisites for Pass/Fall and Grade Exams	SL: see the respective re PL: see the respective re in the respective module	equired elective modules (the examin	ation is al	ways part	of the Se	eminar II
Grade Composition	Mean of the grades on the	ne four selected required elective mod	dules			
Workload	Total Workload 960h: ho required elective module	ow this work load is distributed to diffe	rent activi	ties see t	he respec	ctive

Modulname	Cognitive Neuropsychology			Module Responsible Schönauer						
				Modul Code						
Usability	M.Sc. Psychology			03LE36MO-932-4010						
Duration	☐ 1 Semester		_							
Frequency	☐ half-yearly	⊠ yearly	_							
Madula Tima	□ Descrived Medule	☐ Required Elective								
Module Type	Required Module	Module	<u></u>	ctive Mod	uie					
Teaching and Learning Methods										
	2 Seminars		T	CWC	C	FOTO				
			Туре	SWS	Sem	ECTS				
	Cognitive Neuropsychol	logy I	S	2	1-3	4				
	Cognitive Neuropsychol	logy II	S	2	2-4	4				
Qualification Goals										
Qualification Goals		is to gain knowledge about the ne								
		, such as perception, learning and n Cognitive Neuropsychology.	a memory, or r	ligner cog	nition, reg	jarding a				
		The students will deepen their ur								
	and memory, higher coo	supporting human experience an gnition, or emotion, and will learn	to apply this k	nowledge	to related	ł				
	research areas or the cl	inical domain. They will critically aging methods are applied in the	evaluate how on the field of Cogniter of the first contract the first contract the first first contract the	different e tive Neuro	xperiment	al av.				
	Critical reading and disc	cussion of original research repores for their own research question	ts will allow stu	udents to	assess su	itable				
		n, but also in other fields of psych			inaging an					
	Cross-cutting competen	cies: By teaching about theories	and findings in	an interd	lisciplinary	/ tome				
	research field spanning Neuropsychology, Cognitive Neuroscience, Experimental and Systems Neuroscience, Computational Neuroscience, Neurology, the Learning Sciences, and clinical applications of neuropsychological research, the courses will lay the foundations for understan					al				
		nges that come with interdisciplin		undations	ior under	standing				
Module content										
	how neurocognitive prod	odule teaches advanced knowled cesses can both adaptively and n	naladaptively r	egulate h	uman exp	erience				
	and behavior. This includes discussion of findings from neighboring research areas, such as Cognitive Neuroscience, Experimental and Systems Neuroscience, Computational Neuroscience,									
	Neurology, the Learning	g Sciences, and Clinical Application	ons.							
		seminars, students will discuss ex sis of essential psychological fund								
	these topics by discussi	ng relevant examples. They will f s and analysis of neuropsycholog	urther gain kno	owledge a	ınd skills i	n				
		topics in the field of Cognitive Ne								
Language										
Duran wisites for Attendance	English									
Prerequisites for Attendance	None									
Prerequisites for Pass/Fall and Grad										
Exams	Cl. Domilar a substituti d	n nyanayatian af ana lasasa (1)	o oomstaan ta	ad a !-	an litet	*a !r				
	consultation with the se	n, preparation of one lesson of th minar leader. Design of the semir	nar lesson with							
		utes), moderation. (seminar I and , 10000-30000 characters incl. sp		r II).						
	grade written assignme	nt (module exam)								
Grade Composition	•	:								

Workload	Total Workload 240h: Attendance 60h, Self-Study 180h

Modulname	Learning and Instruction		Module Responsible Renkl					
Usability	M.Sc. Psychology		Modul Code 03LE36MO-932-4020					
Duration	1 Semester							
Frequency	half-yearly	yearly						
Module Type	Required Module	□ Required Elective Module	☐ Ele	ctive Mod	ule			
Teaching and Learning Methods								
reaching and Learning Methods	2 Seminars							
			Туре	SWS	Sem	ECTS		
	Learning and Instruction I	1	S	2	1-3	4		
	Learning and Instruction I	II	S	2	2-4	4		
Qualification Goals  Module content	about the interplay betwe instruction.  Subject Competencies: C and instruction (i.e., teach learning outcomes. They instruction. On this basis, designs (e.g., features of Cross-cutting competenci instruction to optimizing ir manifold barriers when as Module content: The sem their interplay. This knowledge instructional videos). Sem with respect to specific instructional videos). Sem with respect to specific instructional.	of this module is to enable the student en learning processes and instruct overall, the students can explain ho ning and instructional design) on the can identify widespread misconcept they become able to evaluate teach computer-based learning environmess: By the example of applying basistruction, the students take into accopylying basic psychological knowled in the students take into accopylying basic psychological knowled in the students take into accopylying basic psychological knowled in the students applied to selected (parts of the students). I deals with important models of enterplay between instruction and less applied to the evaluation of specinar II deepens the theoretical knowstructional design aspects (e.g., release).	w learning e other har before the contents about ching appropriate to ments) and the sic knowled coount the p dge to prace models of learning ffective inst parting pro- fic material whedge about lated to ani	processed interact t issues o aches and to optimize the optimized arning and environm ruction and cesses is s (e.g. prabut teachimations, r	sign or op s on the or with resp f learning d instruction e them. learning a es, but also ems. d instruction ents. d of self-ri discussed actice tests ng and lear	ne hand ect to and onal and o the on and egulated I. Finally, s, arning		
Language	presentations), this knowl	ledge is applied to improve instruct	ional desig	113.				
	Instructional language: E	nglish, examination language: Engl	lish or Gern	nan				
Prerequisites for Attendance	None							
Prerequisites for Pass/Fall and Grade Exams	texts (Seminar I and II), for analyze or solve problems	preparatory work for seminar sess ollow-up assignments of seminar so s (seminar I and II) 10000-30000 characters incl. space	essions suc	ch as appl				
Grade Composition	grade written assignment	(seminar I or II)						
Workload	Total Workload 240h: Atte	endance 60h, Self-Study 180h						

Modulname	Cognition and Action		Module Responsible Kiesel				
Usability	M.Sc. Psychology		Modul 03LE3	Code 6MO-932-	4030		
Duration	1 Semester						
Frequency	☐ half-yearly	⊠ yearly					
Module Type	☐ Required Module	□ Required Elective     ■ Module     ■ Module	☐ Ele	ctive Mod	ule		
Teaching and Learning Methods	2 Seminars		Type	SWS	Sem	ECTS	
	0 ''' 14 ''		S	2	1-3	4	
	Cognition and Action I		-		1-3	4	
	Cognition and Action II		S	2	2-4	4	
Qualification Goals		dents to understand current theorizi ding research topics in cognitive ps ocietal implications.					
	Subject Competencies: T	heoretical knowledge as well as ins	sights in ex	oerimenta	ıl paradigi	ms and	
	<u>Subject Competencies</u> : Theoretical knowledge as well as insights in experimental paradigms and practical understanding of current topics in cognitive psychology.						
	<u>Cross-cutting competencies</u> : Reading and presenting scientific studies, assessing the suitability of research paradigms and statistical analyses, understanding the potentials and limitations of experimental research for providing societally meaningful empirical evidence, scientific writing.					of	
Module content	psychology. In each semi	minars focus on a major topic from a inar, theoretical concepts, key expe implications will be presented and o	erimental pa	aradigms			
		research topics in the area of cogni eption, or experience of human action		logy focu	ssing on		
Language							
	English or German						
Prerequisites for Attendance	None						
Prerequisites for Pass/Fall and Grade							
	consultation with the sem presentation (10-30 minu	, preparation of one lesson of the sinar leader. Design of the seminar tes), moderation. (seminar I and II) 10000-30000 characters incl. space	lesson with	the help		re in	
Grade Composition	grade written assignment	t (Seminar II)					
Workload	Total Workload 240h: Atte	endance 60h, Self-Study 180h					

Module	Economic Psychology		Module	Respons	sible Schö	inauer
Usability	M.Sc. Psychology		Modul 03LE3	Code 6MO-932-	4040	
Duration	1 Semester					
Frequency	☐ half-yearly	yearly				
Module Type	Required Module	□ Required Elective     ■ Module     □ Required Elective     □ Requir	Ele	ctive Mod	ule	
Teaching and Learning Methods	2 Seminars		Туре	SWS	Sem	ECTS
	Economic Psychology I		S	2	1-3	4
	Economic Psychology II		S	2	2-4	4
Qualification Goals						
Module content	Subject Competencies: In-depth knowledge and competencies in selected areas of economic psychology (e.g. consumer behavior, stress experience and leadership processes). Students be able to analyze psychological aspects of the respective roles as producer and consumer as team and organizational member and to reflect on them from an application-oriented perspective. Considering the context of application, students will acquire methodological approaches and diagnostic procedures, evidence-based practice concepts and interventions well as approaches to their evaluation based on economic psychology.  Cross-cutting competencies: Acquisition of evidence-based methods for diagnostics and interventions in the work-place. This will lay the foundations for planning assessment centers trainings and other interventions, especially in the context of economic psychology. In dealing original theories and findings, students will acquire a deeper understanding of the possibilities limits of applying scientific findings in practice. They will gain competencies in the preparation scientific results for different target groups (e.g. research, management).  Module content: Theories, concepts, findings and interventions in economic psychology and methods used to obtain and examine them are explored in depth. Current research findings waddressed as well as recent developments in the professional field of psychologists in the economic sector (including NPO) will be critically appraised.  Course content: The seminars are differentiated by their focus on application-oriented (Economic Psychology II) topics.					ers, ing with ies and ion of
Language	Economic Psychology I: 0	German, Economic Psychology II: E	nglish			
Prerequisites for Attendance	None	,	9			
Prerequisites for Pass/Fall and Grade Exams	10-30 minutes and mode	, contribution to one seminar session ration. (seminar I and II) 10000-30000 characters incl. space:			ral presen	tation of
Grade Composition	grade written assignment	t (seminar II)				
Workload	Total Workload 240h: Att	endance 60h. Self-Study 180h				

Module	_ Higher Cognition		Module Responsible Klauer			
Usability	M.Sc. Psychology		Module 03LE3	e Code 6MO-932	-4050	
Duration	1 Semester		_			
Frequency	half-yearly	yearly	_			
Module Type	☐ Required Module	□ Required Elective Module	Ele	ctive Mod	ule	
Teaching and Learning Methods						
	2 Seminars		_		_	
			Type	SWS	Sem	ECTS
	Higher Cognition I		S	2	1-3	4
	Higher Cognition II		S	2	2-4	4
Qualification Goals						
		participants to research topics spanathematical psychology.	anning the fiel	ds of cogi	nitive psyd	chology,
	Subject Competencies:	The participants acquire the ability	y to evaluate t	theories, o	concepts,	and
	research methods of res	search on "higher" human abilities , and social cognition. They will ac	, with an emp	hasis on t	he fields t	hinking
	different research quest	ions and assess the suitability of r ne research questions. They are e	najor method	ological a	pproaches	s for
	searches and design ap current discussions and	propriate empirical studies. Partic controversies in these fields and as applied in these domains.	cipants will als	so learn to	name ar	ıd explain
	Cross-cutting competen	cies: Participants acquire an adva	nced underst	anding of	the resea	ırch
	generation process. Moreports and in the integr	gard to the role of critical discussi reover, participants will deepen th ation of different scientific texts, th	eir skills in the ney will acquir	e critical re e compet	eading of ence in w	scientific
	a team in the joint explic applications.	cation of theories and research me	thods and of	their pote	ntials for	
Module content						
Woddle Content		minars will present in an exemplar g research, memory research, and				
	topics to be treated com	prise dual-process theories of read the theory of implicit measures of the control of the theory of implicit measures of the control of the c	soning, math	ematical r	nodels of	
	seminars will as a rule o	oncern topics in which the lecture elopment of current research prog	r is especially	compete		
	,	ntents of the individual seminars c			eograph fic	olde in
		and reasoning, memory, and soci		current re	Searchille	ius III
Language						
	Instructional language: I	English; Examination language: G	erman or Eng	lish		
Prerequisites for Attendance	None					
Prerequisites for Pass/Fall and Grad						
Exams		n, preparation of one lesson of the				
	(15-30 min) including m	minar leader. Design of the seminar oderation of the discussion (semination 10000-30000 characters incl. spa	nar I and II).	•	or a prese	entation

Grade Composition	grade written assignment or protocol (seminar II)
Workload	Total Workload 240h: Attendance 60h, Self-Study 180h

Module	Sustainability and Communication			Module Responsible Kiesel					
Usability	_ M.Sc. Psychology			Module Code 03LE36MO-932-4060					
Duration	☐ 1 Semester								
Frequency	☐ half-yearly	⊠ yearly							
Module Type	Required Module	□ Required Elective Module	☐ Ele	ctive Mod	lule				
Teaching and Learning Methods									
	2 Seminare		Type	SWS	Sem	ECTS			
			•						
	Sustainability and Comr	nunication I	S	2	1-3	4			
	Sustainability and Comr	nunication II	S	2	2-4	4			
Qualification Goals									
addinication addis	in the Anthropocene. Ps	es a joint effort of different scientificychological models on intention, b nication strategies might contribute	ehavior as w	ell as edu		an impact			
	<u>Subject Competencies</u> : Students learn to apply theories on motivation, behavioral change, science communication, and complex systems when analyzing complex information and making recommendations. They can use research methods of sustainability research and instructional psychology for understanding and fostering sustainable behavior.								
	Cross-cutting competen They learn to transfer po different areas.	<u>cies</u> : sychological knowledge and metho	ds to addres	s specific	problems	in			
Module content	Module content: Current psychological knowledge will be evaluated regarding its potential to communicate scientific knowledge to a non-expert audience and to address specific behavioural aspects towards more sustainable behaviour.								
	<u>Course content</u> : Both seminars combine basic research and application-oriented approaches to understanding the potential and barriers of human change. Seminar I focusses on research on cognitive psychology to deepen the psychological understanding of the climate crisis and to develop psychological programs of change. Seminar II has a focus on educational psychology.					h on o			
Language									
	English or German								
Prerequisites for Attendance	none								
Prerequisites for Pass/Fall and Grade									
	SL: Regular participation, working on 5-7 assignments such as designing instructional content or writen practice recommendation of 10000-30000 characters or designing and presenting researcing plans (2 oral and poster presentations of 15-30 min). The type is defined by the chosen thematic focus in coordination with the seminar leader (seminar I and II)  PL: Written assignment, 10000-30000 characters incl. spaces (seminar II)					esearch			
Grade Composition	grade written assignmer	nt (seminar II).							
Workload	Total Workload 240h: Attendance 60h. Self-Study 180h								

Duration	Module	Skills / Project Oriented Learning		Module Responsible Kiesel						
Frequency    Module Type   Paquired Module   Properties   Paquired Elective	Usability	M.Sc. Psychology								
Teaching and Learning Methods	Duration	1 Semester	∑ 2 Semester							
Teaching and Learning Methods  2 Seminars    Type   SWS   Sem   ECTS	Frequency		yearly							
Skill - Project Oriented Learning I   Skill - Project Oriented Learning II   Skill - Project O	Module Type									
Skill – Project Oriented Learning II  Skill – Project Oriented Learning II  Skill – Project Oriented Learning II  Skill – Project Oriented Learning III  Skill skills they aim to acquire to build an individual portfolio. The respective science communication and outreach, sciented in operation of project or project or project to develop and organization and organization of psychological research, science communication and outreach, scientific writing, scientific teaching, and application of psychological knowledge in coaching and organization of psychological research, science communication and outreach, scientific writing, scientific teaching, and application of psychological research methods, skills related to open science, data scientific teaching, and application of psychological research methods, skills related to open science, scientific teaching, and application of psychological research methods, skills related to open science, scientific teaching, and application of psychological research methods, skills related to open science, data scientific teaching, and application of psychological research methods, skills related to open scientific teaching, and application of psychological research methods, skills related to open scientific teaching,	Teaching and Learning Methods	2 Seminars								
Skill – Project Oriented Learning II  In this module, students choose individual skills they aim to acquire to build an individual portfolio. The respective skill is trained in the form of a practical project work.  Subject Competencies: Students choose specific skills from a catalogue involving research methods, skills related to open science, data security or ethics in psychological research, science communication and outreach, scientific writing, scientific teaching, and application of psychological knowledge in coaching and organizational contexts.  Cross-cutting competencies: Development of an individual portfolio according to specific strengths and interests.  Module content  Module content: Support and supervision of specific projects to develop and train the respective skills. Guidance and coaching to detect individual strength and interests  Course content: The seminars are project-related and focus on mentoring and supervision to develop own skills.  Language  German or English  Prerequisites for Pass/Fall and Grad Exams  St.: Working on four elective assignments (two assignments per seminar; see skill catalogue). Each skill requires self-organized work and the respective project. The project work is documented in suitable form (e.g. as written code, video or podcast on science communication, written recommendation)				Type	SWS	Sem	ECTS			
Skill – Project Oriented Learning II  S 2 3 4  Qualification Goals  In this module, students choose individual skills they aim to acquire to build an individual portfolio. The respective skill is trained in the form of a practical project work.  Subject Competencies: Students choose specific skills from a catalogue involving research methods, skills related to open science, data security or ethics in psychological research, science communication and outreach, scientific writing, scientific teaching, and application of psychological knowledge in coaching and organizational contexts.  Cross-cutting competencies: Development of an individual portfolio according to specific strengths and interests.  Module content  Module content: Support and supervision of specific projects to develop and train the respective skills. Guidance and coaching to detect individual strength and interests  Course content: The seminars are project-related and focus on mentoring and supervision to develop own skills.  Language  German or English  Prerequisites for Attendance  none  St.: Working on four elective assignments (two assignments per seminar; see skill catalogue). Eacl skill requires self-organized work an the respective project. The project work is documented in suitable form (e.g. as written code, video or podcast on science communication, written recommendation)		Skill – Project Oriented I	_earning I	c	2	2	4			
In this module, students choose individual skills they aim to acquire to build an individual portfolio. The respective skill is trained in the form of a practical project work.    Subject Competencies:   Students choose specific skills from a catalogue involving research methods, skills related to open science, data security or ethics in psychological research, science communication and outreach, scientific writing, scientific teaching, and application of psychological knowledge in coaching and organizational contexts.    Cross-cutting competencies:   Development of an individual portfolio according to specific strengths and interests.    Module content		Skill – Project Oriented I	_earning II	-			•			
In this module, students choose individual skills they aim to acquire to build an individual portfolio. The respective skill is trained in the form of a practical project work.    Subject Competencies:   Students choose specific skills from a catalogue involving research methods, skills related to open science, data security or ethics in psychological research, science communication and outreach, scientific writing, scientific teaching, and application of psychological knowledge in coaching and organizational contexts.    Cross-cutting competencies:   Development of an individual portfolio according to specific strengths and interests.    Module content	Qualification Goals									
Students choose specific skills from a catalogue involving research methods, skills related to open science, data security or ethics in psychological research, science communication and outreach, scientific writing, scientific teaching, and application of psychological knowledge in coaching and organizational contexts.    Cross-cutting competencies: Development of an individual portfolio according to specific strengths and interests.    Module content	Qualification Goals				ouild an in	dividual p	ortfolio.			
Development of an individual portfolio according to specific strengths and interests.  Module content: Support and supervision of specific projects to develop and train the respective skills. Guidance and coaching to detect individual strength and interests  Course content: The seminars are project-related and focus on mentoring and supervision to develop own skills.  Language  German or English  Prerequisites for Attendance  Prerequisites for Pass/Fall and Grade Exams  SL: Working on four elective assignments (two assignments per seminar; see skill catalogue). Each skill requires self-organized work an the respective project. The project work is documented in suitable form (e.g. as written code, video or podcast on science communication, written recommendation)		Students choose specific skills from a catalogue involving research methods, skills related to open science, data security or ethics in psychological research, science communication and outreach, scientific writing, scientific teaching, and application of psychological knowledge in coaching and								
Module content: Support and supervision of specific projects to develop and train the respective skills. Guidance and coaching to detect individual strength and interests  Course content: The seminars are project-related and focus on mentoring and supervision to develop own skills.  Language  German or English  Prerequisites for Attendance  none  Prerequisites for Pass/Fall and Gradexams  SL: Working on four elective assignments (two assignments per seminar; see skill catalogue). Each skill requires self-organized work an the respective project. The project work is documented in suitable form (e.g. as written code, video or podcast on science communication, written recommendation)										
Module content: Support and supervision of specific projects to develop and train the respective skills. Guidance and coaching to detect individual strength and interests  Course content: The seminars are project-related and focus on mentoring and supervision to develop own skills.  Language  German or English  Prerequisites for Attendance  none  Prerequisites for Pass/Fall and Gradexams  SL: Working on four elective assignments (two assignments per seminar; see skill catalogue). Each skill requires self-organized work an the respective project. The project work is documented in suitable form (e.g. as written code, video or podcast on science communication, written recommendation)	Module content									
Language  German or English  Prerequisites for Attendance  none  Prerequisites for Pass/Fall and Gradexams  SL: Working on four elective assignments (two assignments per seminar; see skill catalogue). Each skill requires self-organized work an the respective project. The project work is documented in suitable form (e.g. as written code, video or podcast on science communication, written recommendation)		Module content: Support and supervision of specific projects to develop and train the respective skills. Guidance and coaching to detect individual strength and interests				ective				
German or English  Prerequisites for Attendance  Prerequisites for Pass/Fall and Grade Exams  SL: Working on four elective assignments (two assignments per seminar; see skill catalogue). Each skill requires self-organized work an the respective project. The project work is documented in suitable form (e.g. as written code, video or podcast on science communication, written recommendation)		<u>Course content</u> : The seminars are project-related and focus on mentoring and supervision to develop own skills.					to			
German or English  Prerequisites for Attendance  Prerequisites for Pass/Fall and Grade Exams  SL: Working on four elective assignments (two assignments per seminar; see skill catalogue). Each skill requires self-organized work an the respective project. The project work is documented in suitable form (e.g. as written code, video or podcast on science communication, written recommendation)										
Prerequisites for Attendance  Prerequisites for Pass/Fall and Grades    Exams  SL: Working on four elective assignments (two assignments per seminar; see skill catalogue). Each skill requires self-organized work an the respective project. The project work is documented in suitable form (e.g. as written code, video or podcast on science communication, written recommendation)	Language									
Prerequisites for Pass/Fall and Grade  Exams  SL: Working on four elective assignments (two assignments per seminar; see skill catalogue). Each skill requires self-organized work an the respective project. The project work is documented in suitable form (e.g. as written code, video or podcast on science communication, written recommendation)		German or English								
SL: Working on four elective assignments (two assignments per seminar; see skill catalogue). Each skill requires self-organized work an the respective project. The project work is documented in suitable form (e.g. as written code, video or podcast on science communication, written recommendation)	Prerequisites for Attendance	none								
SL: Working on four elective assignments (two assignments per seminar; see skill catalogue). Each skill requires self-organized work an the respective project. The project work is documented in suitable form (e.g. as written code, video or podcast on science communication, written recommendation)	_ '									
	LAUTIO	skill requires self-organized work an the respective project. The project work is documented in suitable form (e.g. as written code, video or podcast on science communication, written recommendation)								
Grade Composition not graded	Grade Composition	not graded								
Workload Total Workload 240h: Attendance 60h, Self-Study 180h	Workload	Total Workload 240h: At	tendance 60h, Self-Studv 180h							

Module	Internship		Module	Respons	sible Sch	önauer
Usability	M.Sc. Psychology		Modul 03LE3	Code 6MO-932	-6000	
Duration	☐ 1 Semester	∑ 2 Semester	_			
Frequency	half-yearly	⊠ yearly	_			
Module Type	□ Required Module	☐ Required Elective Module	☐ Ele	ctive Mod	ule	
Teaching and Learning Methods	Internship		Туре	SWS	Sem	ECTS
	Internship				1-4	10
Qualification Goals	psychological focus. The internship activities are of Furthermore, they obtain environment. They deve	In the internship, students gain are ey acquire knowledge about the tacompleted, as well as about the significant of the significant of the significant of the study of the st	asks of the org tructure of the nd with manac and later prof actical activition	ganization respective gers in a vessional a es and ex	is in which we work procational activity.	the ocesses.
Module content	Module content: The vocational internshire recognizable connection students get to know one products and services, a duration of internship act the lecture-free period. I	pal-world practical scenarios. They skills in a practical working enviror price is completed at organizations we use to the study content and professe or more internship institutions (sureas of responsibility; employees tivities is equivalent to 300 hours. It is completed without interruption an be completed in Germany or all	hose fields of sional fields o structure, orga and clients/ci The internshi as, as one con	activity har f psycholo nizationa ustomers) p usually	ave clearly ogy. Here, I structure . The tota takes pla	y , , I ce during
Language	German or English					
Prerequisites for Attendance	Prior to starting the inter	nship, students must obtain appro				
Prerequisites for Pass/Fall and Grade Exams	SL: Internship certificate	ı				
Grade Composition	not graded					
Workload	Total Workload 300h: At	tendance 270h. Self-Study 30h				

Module	Interdisciplinary Studies		Module Responsible Schönauer				
Usability	M.Sc. Psychology		Module 03LE3	e Code 6MO-932-	7000		
Duration	1 Semester						
Frequency	half-yearly	☐ yearly					
Module Type	Required Module	□ Required Elective     Module	☐ Elec	ctive Mod	ule		
Teaching and Learning Methods	Lecture, Tutorial, or Sem	ninar	T	CWC	C	FOTO	
		pe attended. It is possible to acquire e course, or in more than one m multiple fields.	Type	SWS	Sem	ECTS 6	
Qualification Goals	0		a la lla anna	loo aada da		ood adaa	
	from outside of their train specific regard to their fu	cies: The students will acquire interdis ning discipline based on their individua ture field of expertise. This will allow search and theory relates to other field e.	al prefere them to g	nces and ain a dee <sub>l</sub>	needs, wi per under	th standing	
Module content	Module content: Determined and indicate	ed by elected subject.					
	Courses can be elected in the subjects Biology, Learning Sciences, Computer Sciences, Cognitiv Science, Criminology, Neurolinguistics, Philosophy, Sociology, Sports Science, Economic Science without seeking consent from the examination office. If the student seeks to elect a course from a area outside of those listed, they should contact the examination office in advance.					Science	
	In certain cases, a regist necessary.	tration subject to rules of the respectiv	e faculty	or teache	r/tutor ma	y be	
Language							
	German or English						
Prerequisites for Attendance	none						
Prerequisites for Pass/Fall and Grade Exams	SL: determined by electe	ed subject					
Grade Composition	not graded						
Workload		tendance 60h, Self-Study 120h. Atten CTS to attending and self-study times					

Module	Master's Module		Module	Respons	sible Klau	uer
Usability	M.Sc. Psychology		Module 03LE3	e Code 6MO-932-	-8000	
Duration	☐1 Semester					
Frequency		yearly				
Module Type	□ Required Module	☐ Required Elective Module	Ele	ctive Mod	ule	
Teaching and Learning Methods	2 Seminare, 1 Thesis		Туре	SWS	Sem	ECTS
	Colloquium I		K	2	3-4	2
	Colloquium II		K	2	3-4	2
	Master's Thesis			_	3-4	30
Module content	includes learning to evaluation project presented in the result of the secondary of the sec	lity to assess theories and concepts of c psychology. They learn to apply ad amples of current research projects. he research process, from design to nd adherence to open science guide hological research results.  In this, students acquire the skills to do not not not not not not not not not no	of selected vanced por They lear the interpular the interpular the evelop a wiffic method evant literand interput of scients the strenducting in scientification with the scientification of the scientification with the scientification of the scientifica	and cond d areas of sychologic n to mana retation of y are ena vell-define ds and wri ature, sele reting the tific result ngth and v depender lly. This in critique in ve, instrue scussed r ally funde y invited g ccellent re	cognitive, cal research ge research te it up. The country the results.  It is and the veaknesse it research includes the a scientificational, an esearch indirectional, and research guests. The search processes is a scientificational of the country that is a scientificational of the search indirectional of the search guests. The search processes is a scientificational of the search processes in the search guests. The search processes is a scientification of the search guests. The search processes is a scientification of the search guests. The search processes is a scientification of the search guests.	es of a eability ic setting descended and a coludes a coludes a column essended and a co
	analysis, interpretation, and the publication process.  Course content: The above contents will be distributed across the two colloquia. In the third-semester seminar, students will also present the design of the research of their master thesis general discussion; in the fourth-semester seminar, they will present results of the master the for general discussion.  The master's thesis is a written exam on a defined topic from the field of psychology. The top the master's thesis is determined by the supervisor in accordance with the candidate. Topics any field of psychology can be chosen.					sis for hesis opic of
Language						

 $Instructional\ language:\ English;\ Examination\ language:\ German\ or\ English$ 

Prerequisites for Attendance	Passed modules Research Methods, Basic and Application-Oriented Psychological Science I and Internship and minimum 54 ECTS points.
Prerequisites for Pass/Fall and Grade	
	SL: Regular participation, presentation of design paper (30-45 minutes; WiSe, Colloquium I) and results paper (30-45 minutes; SoSe, Colloquium II).
	PL: Written assignment (homework assignment, written elaboration of own oral presentation, or written review of another paper presented in the seminar 10000 - 30000 characters incl. spaces (SoSe. Colloquium II).
	PL: Written thesis of 30.000 to 200000 characters incl. footnotes or endnotes, and spaces, excl. bibliography and annexes in the format of a journal paper or monograph (Master's Thesis).
Grade Composition	Mean of the grades on written assignment and master's thesis weighted according to ECTS points.
Workload	Total Workload 1020h: Attendance 60h, Self-Study 960h

## 3 Catalogue of Skills (examples)

(4 Skills à 2 ECTS / 60 h need to be delivered with a total workload of 240 h, which includes 60 h attendance in the two skills seminars)

#### Research Methods

- Simulation study
- Multivariate data analysis
- Modeling
- Graphics and visualization of data
- Programming of experiments or analyses
- Meta-analysis and quantitative reviews
- Recruitment (e.g., Crowdsources, panels, new channels, etc.)
- Design of tests and procedures (construction of questionnaires, non-reactive procedures)
- Design experimental materials
- Literature search on own research question and derivation of appropriate study design
- Compilation of table of differences in operationalizations, study design, etc. in studies on the same research question
- Qualitative content analysis
- Comprehensive literature search on broader research topic

#### Open Science

- Replicability constructive critique of studies
- Version control (code and data)
- Preregistration (study, meta-analysis)
- Data handling and sharing
- Research ethics Evaluation of study with regard to ethical principles (APA ethics)
- Data protection, elaboration of related aspects for an extant or planned study
- Ethics proposal for submission to an ethics committee

#### Science Communication and Outreach

- Radio/television contribution in collaboration with media centre
- Press release
- Podcast
- Audience-design-projects: E.g., two podcasts on the same topic for two different target populations
- Guidelines for application-oriented questions (e.g., how to integrate images in texts, conditions of productive team work)
- Giving an interview on a scientific question (including preparatory literature research and synthesis, practice, etc.)
- Wikipage
- Article in popular journal
- Condense meta-analysis into a short review (e.g. for education clearinghouses for educational instructors)
- Participation in Citizen-Science projects

#### Scientific writing and working

- Conference presentation
- Design and presentation of poster (if possible on real conference)
- Design of complex data or results graphics
- Composition of research proposal
- Writing of (parts of) a scientific journal article
- Scientific translation

- Audience design-projects: Two intros (first 1.5 pages) of a study report for two different journals or two abstracts for two different conferences
- Peer reviewing
- Small study from A to Z

#### **Teaching**

- Mentoring for bachelor groups
- Catalogue of exam questions/quiz for a given topic
- Explanatory video on a scientific articles/effect
- Preparing Freibär report (evaluation of the process of preparing bachelor theses in different departments)
- Consulting on and correcting of student projects and reports
- Commenting on bachelor theses
- Design and offer course(s)
- Prepare slides and other visual aids for oral presentations
- Design or improve teaching materials

#### Application/Coaching

- Design an intervention
- Evaluation of interventions
- Project on organizational diagnostic
- Project on organizational development (e.g., consultation)
- Mentor in internal mentoring programme report on experiences and collaboration in organization and conceptualization of the programme