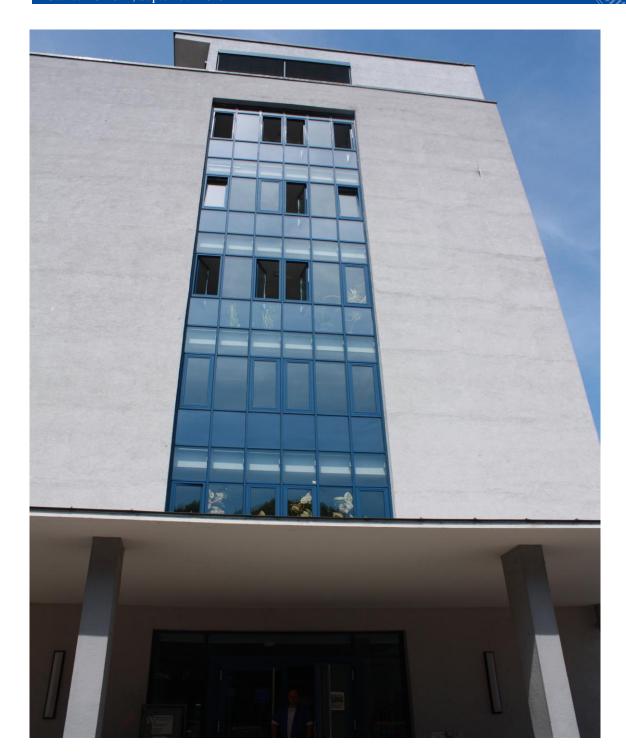
Module Book

M.Sc. Psychology

Albert-Ludwigs-Universität Freiburg Faculty of Economics and Behavioral Science Institute of Psychology Stand: PO 2022, September 2023



FREIBURG

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.

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	00
(Module Diagnostics and Assessment & Module Research Methods)	20
Basic and Application-Oriented Psychological Science	40
(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 applicationoriented 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

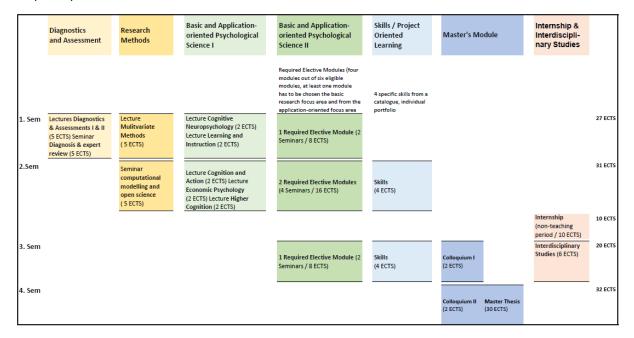
In the course of the master program, a professional work experience of a duration of 300 working hours comprising 10 ECTS points has to be completed as an internship. It is usually completed during the lecture-free periods. The internship provides the student with some work experience, but is also an 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

	_ Diagnostics and Assessment			Diagnostics and Assessment Module Responsible Schönauer				
Usability	M.Sc. Psychology, Methods, Internship		Module Code 03LE36MO-932-1000					
Duration	☑ 1 Semester	2 Semester						
Frequency	half-yearly	🛛 yearly						
Module Type	Required Module	Required Elective		ctive Modu	ule			
Teaching and Learning Methods	2 Lectures, 1 Seminar		Туре	SWS	Sem	ECTS		
	Diagnostics and Assess	ment I Principles and Models	v	1	1	2		
	Diagnostics and Assess	ment II Fields of Application	V	1	1	3		
	Diagnostics and Assess Reports	ment III Diagnosis and Expert	S	2	1	5		
	<u>Subject Competencies</u> : Students will learn to develop and evaluate psycho-diagnostic instruments according to current test-theoretical models and to decide on the basis of scientific criteria which diagnostic tool is appropriate to apply in a given diagnostic context. They will be instructed how to provide and evaluate expert reports on diagnostic questions in different applied contexts, to take adequate account of ethical principles in writing expert reports, as well as to acknowledge and reflect on th limits of one's diagnostic competence and judgmental process. <u>Cross-cutting competencies</u> : Overarching competencies are acuqired through applied exercises in a range of different fields o psychological professional activity and by reflecting on the context and conditions of psychologic testing practises and the writing of expert opinions.							
	Cross-cutting competen Overarching competenc psychological profession	ples in writing expert reports, as we c competence and judgmental proc cies: ies are acuqired through applied e nal activity and by reflecting on the	ell as to ackn cess. xercises in a	owledge a	and reflect	ate t on the elds of		
Module Content	Cross-cutting competen Overarching competence psychological profession testing practises and the <u>Module content</u> : The module contents for quality control in psycho models and methods, as expert reports. It further to the diagnostic question outcomes. <u>Course content</u> : Diagnostics and Assess of clinical diagnosis. Prin Diagnostics and Assess	ples in writing expert reports, as we c competence and judgmental proc cies: ies are acuqired through applied e nal activity and by reflecting on the	ell as to acknown cess. xercises in a context and particular on c writing of exp design, comp n of diagnost nd communic agnostic moc sies of expert orts in differen	owledge a range of a conditions quality man ert reports osing, and ic instrum ration of di lels and m reports. nt fields of	and reflect different fi s of psych nagement s, diagnos d present ents appr agnostic nethods. F applicatio	elds of ological t and stic ation of opriate		
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Module Content	Cross-cutting competent Overarching competent psychological profession testing practises and the <u>Module content</u> : The module contents for quality control in psycho models and methods, as expert reports. It further to the diagnostic questio outcomes. <u>Course content</u> : Diagnostics and Assess of clinical diagnosis. Prin Diagnostics and Assess as personal selection, e of diagnostical instrume Seminar: Selection and	ples in writing expert reports, as we competence and judgmental proc cies: les are acuqired through applied en hal activity and by reflecting on the e writing of expert opinions. cus on the diagnostic process, in p logical diagnostics. It teaches the s well as methods of goal setting, of relays the selection and application on at hand and the interpretation and ment I: The diagnostic process; dia nciples, quality criteria and exigens ment II: Diagnosis and expert repo- ducational processes, organization nts in these fields. application of psychodiagnostic pro-	ell as to acknown cess. xercises in a context and particular on c writing of exp design, comp no f diagnost nd communic agnostic moc sies of expert orts in different al diagnostic ocedures and	owledge a range of a conditions quality man pert reports osing, and ic instrum ation of di lels and m reports. nt fields of s. Opport	and reflect different fit s of psych nagement s, diagnos l presenta ents appr agnostic nethods. F applicatio unities an	elds of ological t and stic ation of opriate		

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 written exam (module exam) Grade Composition Total Workload 300h: Attendance 60h, Self-Study 240h Workload

	Research Methods		Research Methods Module Responsible Klauer					ler
Usability	M.Sc. Psychology, Methods, Master's Module			e Code 6MO-932-	-2000			
Duration	1 Semester	⊠ 2 Semester						
Frequency	half-yearly	🛛 yearly	_					
Module Type	Required Module	Required Elective Module		ctive Mod	ule			
Teaching and Learning Methods	1 Lecture, 1 Seminar		Туре	SWS	Sem	ECTS		
	Multivariate Methods		V	2	1	5		
	Computational Modellin	g and Open Science	S	2	2	5		
	Subject Competencies: The content of the mode studies, to plan their ow multivariate procedures collection and analysis i models). The associated seminar	students for the application and in ule should enable students to crit in studies, and to analyze data th . In addition, students will learn to methods (such as structural equa	tically evaluate ley have collect o apply comple	the result ted thems x and mul	s of psych elves usir Itivariate c	nological ng		
	processes. Students wil new research and in ev <u>Cross-cutting competen</u> modeling. This will lay th especially for research i	r enables students to explicate th levels of data evaluation as well modeling strategies with a focus I learn to evaluate and comply w aluating existing research. <u>Incies:</u> Acquisition of complex stat the foundations for planning one's n cognitive psychology. In dealin n of scientific findings from a met	as to discuss the on formal modified open-science istical analysis own studies a og with original	me merits a deling of c ce requirer methods a nd for eva literature,	al and stat and limita ognitive ments in p and statis aluating th the appro	ar tistical tions of planning tical tical ppriate		
Module Content	processes. Students will new research and in evo <u>Cross-cutting competen</u> modeling. This will lay the especially for research in and critical interpretation <u>Module content:</u> Students will be introduce modeling, and procedure <u>Course content:</u> In the course "Multivaria regression analysis, will and hierarchical linear in discussed. Basics of me the definition and interp above the acquisition of	levels of data evaluation as well modeling strategies with a focus I learn to evaluate and comply w aluating existing research. <u>Incies:</u> Acquisition of complex stat he foundations for planning one's in cognitive psychology. In dealing in of scientific findings from a met ced to concepts and methods of res of open science. The Methods'' the variance analytic be taught at an advanced level. Inodels, other standard multivaria assurement theory will be coverer retation of mathematical and stat theoretical knowledge, the appli inples involving modeling is also a	as to discuss the on formal modilith open-science istical analysis is own studies a g with original hodological per complex statistical methods, irr In addition to sate methods (e., d in depth. In the istical models of cation of this key cation of the set of the term of term of the term of term of the term of the term of term of the term of the term of term	ne merits a deling of c ce requirer methods a nd for eva literature, rspective ical proce ical proce cluding lin structural e g. cluster ne accomp will be disa nowledge	al and stat and limita ognitive ments in p and statis aluating th the appro- will be lea edures, stat equation r analyses) panying s cussed. C to unders	ar tistical tions of planning tical tem, opriate arned. atistical logistic nodels are eminar over and stand and		
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Prerequisites for Pass/Fall and Grade

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 I			Basic and Application-Oriented Psychological Science I Module Responsible Renkl				nkl
Usability	M.Sc. Psychology, Research Methods, Basic and Application-Oriented Psychological Science II							
Duration	1 Semester	⊠ 2 Semester						
Frequency	half-yearly	vearly						
Module Type	Required Module	Required Elective Module	Elective Module					
Teaching and Learning Methods	5 Lectures							
			Туре	SWS	Sem	ECTS		
	Cognitive Neuropsychol	ogy	V	1	1	2		
	Learning and Instruction	1	V	1	1	2		
	Cognition and Action		V	1	2	2		
	Economic Psychology		V	1	2	2		
	Higher Cognition		V	1	2	2		
Qualification Goals								
	Neuropsychology, Cogr (Learning and Instructio between the concepts a methods learned in one <u>Cross-cutting competen</u>	ic research for understanding the h ition and Action, Higher Cognition) n, Economic Psychology). In addition nd methods in the five single areas area in the respective other areas. <u>cies</u> : The student can critically eval r interrelations, in research on psyc	and to use-i on, they can and they ca luate theorie	nspired (k explain th in apply c s, methoo	basic) resense relation oncepts a ls, and fin	is nd		
Module Content								
	approaches, and finding Action, Economic Psych <u>Course content</u> : The lead essential cognitive funct experience and behavio Instruction provides and and learning processes, The lecture Cognition an cognition and action; it e working memory and the Psychology provides an an emphasis on evidend research on higher-leve reasoning, memory, and (passages) to close prio achieve deep understar the students elaborate of	ntents covers knowledge about ma is in the fields of neuropsychology, nology, and Higher Cognition (for de- ture Cognitive Neuropsychology gi- ions and discusses how neurocogr r in both adaptive and maladaptive overview of research on instruction with an emphasis on their interplay nd Action provides an overview on elaborates on basic cognitive function in impact on goal-setting and perfo- overview of research on consumer coverview of research on consumer based intervention approaches. I cognitive processing, with an emp d social cognition. As preparatory w r knowledge gaps and to gain addi- iding of the lectures' content (about on the lectures' contents by reflectin cally evaluating it (about 2 hours ea	Learning an etails see ne ves an overv- nitive process ways. The le (i.e., teachir y when deter current them ons such as ormance. The r, work, and the lecture l hasis on the rork, students tional prior k 2 hours eac ag on its (the	d Instructi xt paragra riew on th ses contri ecture Lea and ins rmining lea attention, e lecture Lea attention, e lecture Lea organizati Higher Co fields of fields of fields of s read sel nowledge ch week).	on, Cogn aph). e neural b butes to h arning and tructional arning our d to the in cognitive Economic conal issue gonition pr thinking a ected text so that th As follow-	tion and basis of uman design) tcomes. terplay of control, es, with esents nd tey up work,		
Language	- Instructional language: I	English, examination language: Eng	glish or Gern	nan				
Prerequisites for Attendance								

None

Prerequisites for Pass/Fall and Grade

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

	Basic and Application-Oriented Psychological Science II		Module	e Respons	sible Ren	KI
Usability	M.Sc. Psychology, Research Methods, Basic and Application-Oriented Psychological Science I		Module Code 03LE36KT-932-4000			
Duration	1 Semester	⊠ 4 Semester				
Frequency	🛛 half-yearly	yearly				
Module Type	Required Module	Required Elective	Elec	ctive Modu	ule	
Teaching and Learning Methods	modules, with the constr	les (four modules out of six eligible raint that at least one module has to earch focus area (BR) and from the us area (AO)):	Туре	SWS	Sem	ECTS
	A Cognitive Neuropsych	ology (BB)	S+S	2+2	1-4	4+4
	B Learning and Instructi C Cognition and Action	on (AO) (BR)	S+S	2+2	1-4	4+4
	D Economic Psychology (AO) E Higher Cognition (BR) F Sustainability and Communication (AO)	S+S	2+2	1-4	4+4	
	F Sustainability and Cor	ninunication (AO)	S+S	2+2	1-4	4+4
Qualification Goals						
	Subject Competencies: respective optional requ	one area of basic research and of app The specific competences differ betwee ired elective modules	een the si	ngle modu	ules - see	
	Subject Competencies: respective optional requ Cross-cutting competen	The specific competences differ betwee	een the si	ngle modu	ules - see	the
Module Content	Subject Competencies: respective optional requ Cross-cutting competen modules - see the response	The specific competences differ betwee ired elective modules <u>cies</u> : The specific cross-domain comp ective required elective modules	een the si	ngle modı	ules - see een the si	the ingle
Module Content	Subject Competencies: respective optional requ <u>Cross-cutting competen</u> modules - see the response As the specific compete as well. <u>Module content</u> : see the	The specific competences differ betwee ired elective modules <u>cies</u> : The specific cross-domain comp	een the si etences c e single n	ngle modı	ules - see een the si	the ingle
	Subject Competencies: respective optional requ <u>Cross-cutting competen</u> modules - see the response As the specific compete as well. <u>Module content</u> : see the	The specific competences differ betwee ired elective modules <u>cies</u> : The specific cross-domain comp ective required elective modules ncies to be acquired differ between th respective required elective modules	een the si etences c e single n	ngle modı	ules - see een the si	the ingle
	Subject Competencies: respective optional requ <u>Cross-cutting competen</u> modules - see the response As the specific compete as well. <u>Module content</u> : see the	The specific competences differ betwee ired elective modules <u>cies</u> : The specific cross-domain comp ective required elective modules ncies to be acquired differ between th respective required elective modules respective required elective modules	een the si etences c e single n	ngle modı	ules - see een the si	the ingle
Language	Subject Competencies: respective optional requ Cross-cutting competen modules - see the response As the specific compete as well. <u>Module content</u> : see the <u>Course content</u> : see the	The specific competences differ betwee ired elective modules <u>cies</u> : The specific cross-domain comp ective required elective modules ncies to be acquired differ between th respective required elective modules respective required elective modules	een the si etences c e single n	ngle modı	ules - see een the si	the ingle
Language Prerequisites for Attendance	Subject Competencies: respective optional requ <u>Cross-cutting competen</u> modules - see the respective as well. <u>Module content</u> : see the <u>Course content</u> : see the See the respective requ None	The specific competences differ betwee ired elective modules <u>cies</u> : The specific cross-domain comp ective required elective modules ncies to be acquired differ between th respective required elective modules respective required elective modules	een the si etences c e single n	ngle modı	ules - see een the si	the ingle
Language Prerequisites for Attendance Prerequisites for Pass/Fall and Grade	Subject Competencies: respective optional requ <u>Cross-cutting competen</u> modules - see the respective as well. <u>Module content</u> : see the <u>Course content</u> : see the See the respective requ None SL: see the respective re	The specific competences differ betwee ired elective modules <u>cies</u> : The specific cross-domain comp ective required elective modules ncies to be acquired differ between th respective required elective modules respective required elective modules ired elective modules equired elective modules equired elective modules (the examina	een the si etences c e single n	ngle modi liffer betw	ules - see een the si	the ingle ts differ
Language Prerequisites for Attendance Prerequisites for Pass/Fall and Grad	Subject Competencies: respective optional requ <u>Cross-cutting competen</u> modules - see the respective as well. <u>Module content</u> : see the <u>Course content</u> : see the <u>Course content</u> : see the <u>See the respective requ</u> None SL: see the respective re PL: see the respective re in the respective module	The specific competences differ betwee ired elective modules <u>cies</u> : The specific cross-domain comp ective required elective modules ncies to be acquired differ between th respective required elective modules respective required elective modules ired elective modules equired elective modules equired elective modules (the examina	een the si etences c e single n ation is al	ngle modi liffer betw	ules - see een the si	the ingle ts differ

Modulname	Basic and Application-Oriented Psychological Science II A Cognitive Neuropsychology			e II Module Responsible Schönauer				
Usability	M.Sc. Psychology, Rese Application-Oriented Psy	arch Methods, Basic and chological Science I	Modul Code 03LE36MO-932-4010					
Duration	1 Semester	⊠ 2 Semester						
Frequency	half-yearly	🛛 yearly						
Module Type	Required Module	⊠ Required Elective Module	Ele	ule				
Teaching and Learning Methods	2 Seminars							
	2 Seminars		Туре	SWS	Sem	ECTS		
		1	S	2	1-3	4		
	Cognitive Neuropsycholo		3	2	1-5	4		
	Cognitive Neuropsycholo	ogy II	S	2	2-4	4		
Qualification Goals								
	psychological functions,	to gain knowledge about the neuroc such as perception, learning and men Cognitive Neuropsychology.						
	psychological functions s and memory, higher cog research areas or the clin paradigms and brain ima Critical reading and discu experimental approaches neurocognitive research, <u>Cross-cutting competenc</u> research field spanning I Neuroscience, Computal applications of neuropsy	The students will deepen their unders supporting human experience and be nition, or emotion, and will learn to ap nical domain. They will critically evalu- uging methods are applied in the field ussion of original research reports will s for their own research questions, sp but also in other fields of psychology <u>sies</u> : By teaching about theories and f Neuropsychology, Cognitive Neurosc tional Neuroscience, Neurology, the L chological research, the courses will ges that come with interdisciplinary re	havior, su oply this k uate how o of Cognit II allow stu becifically / findings ir ience, Ex Learning S lay the for	ch as per- nowledge different e: ive Neuro udents to a in neuroin a an interd perimenta Sciences,	ception, le to related xperiment psycholog assess su naging an isciplinary I and Sys and clinic	earning I al 3y. itable d tems al		
Module content		<u>.</u>						
	how neurocognitive proc and behavior. This includ Cognitive Neuroscience, Neurology, the Learning	dule teaches advanced knowledge of esses can both adaptively and malac des discussion of findings from neighl Experimental and Systems Neurosci Sciences, and Clinical Applications. eminars, students will discuss examp	daptively r boring res ience, Co	egulate hi earch are mputation	uman exp as, such al Neuros	erience as cience,		
	regarding the neural bas these topics by discussir neuroimagining methods	is of essential psychological functions of relevant examples. They will further and analysis of neuropsychological opics in the field of Cognitive Neurop	s, and dee er gain kno and imagi	epen their owledge a ng data. 7	understa nd skills i	nding of n		
Language								
	English							
Prerequisites for Attendance	None							
Prerequisites for Pass/Fall and Grad								
Exams	consultation with the sen presentation (10-30 minu	n, preparation of one lesson of the ser ninar leader. Design of the seminar le utes), moderation. (seminar I and II) 10000-30000 characters incl. spaces	esson with	the help		re in		
Orada Oama a Mar	grade written assignmen	t (module exam)						
Grade Composition						15		

Workload

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

Modulname	Basic and Application-Oriented Psychological Science II B Learning and Instruction			d Psychological Science II Module Responsible Renkl				
Usability	M.Sc. Psychology, Research Methods, Basic and Application-Oriented Psychological Science I		Modul 03LE3	Code 6MO-932-	4020			
Duration	☐ 1 Semester	⊠ 2 Semester						
Frequency	half-yearly	⊠ yearly						
Module Type	Required Module	Required Elective		ctive Modu	ule			
Teaching and Learning Methods	2 Seminars		Туре	SWS	Sem	ECTS		
	Learning and Instruction		S	2	1-3	4		
	Learning and Instruction		3	2	1-0	4		
	Learning and Instruction	1	S	2	2-4	4		
Qualification Goals	about the interplay betwee instruction. <u>Subject Competencies</u> : (and instruction (i.e., teac learning outcomes. They instruction. On this basis designs (e.g., features o <u>Cross-cutting competence</u> instruction to optimizing manifold barriers when a <u>Module content</u> : The ser their interplay. This know <u>Course content</u> : Semina learning. In addition, the the acquired knowledge instructional videos). Set with respect to specific in	I of this module is to enable the stude een learning processes and instruction Overall, the students can explain how ching and instructional design) on the y can identify widespread misconcepti s, they become able to evaluate teach f computer-based learning environme <u>cies</u> : By the example of applying basic instruction, the students take into acc applying basic psychological knowledge minars deals with tried-and-tested mo vledge is applied to selected (parts of interplay between instruction and lea is applied to the evaluation of specific minar II deepens the theoretical know nstructional design aspects (e.g., rela vledge is applied to improve instruction	n when try other han ions about ing appro- ents) and t c knowled count the p ge to prac dels of lea) learning ective instri- trning proc c materials dedge about ted to anii	ying to de processes d interact t issues of aches and o optimize ge about possibilitie tice proble arning and environm ruction an- cesses is o s (e.g. pra but teachir mations, n	sign or op s on the or with resp f learning d instruction e them. learning a s, but also ems. I instruction ents. d of self-ruction discussed actice tests and lear	timize ne hand ect to and onal othe on and egulated . Finally, s, urning		
Language								
Prerequisites for Attendance	Instructional language: E	English, examination language: Englis	sn or Gern	nan				
Frerequisites for Attendance	None							
Prerequisites for Pass/Fall and Grad Exams	texts (Seminar I and II), analyze or solve problem	n, preparatory work for seminar sessic follow-up assignments of seminar ses ns (seminar I and II) 10000-30000 characters incl. spaces	ssions suc	h as apply				
Grade Composition	grade written assignmen	nt (seminar I or II)						
Workload	Total Workload 240h: At	tendance 60h, Self-Study 180h						

Modulname	Basic and Application-Oriented Psychological Science II C Cognition and Action			Basic and Application-Oriented Psychological Science II C Cognition and Action Module Responsible Kiesel					
Usability	M.Sc. Psychology, Research Methods, Basic and Application-Oriented Psychological Science I								
Duration	1 Semester	🛛 2 Semester							
Frequency	half-yearly	🛛 yearly							
Module Type	Required Module	Required Elective		ctive Mod	ule				
Teaching and Learning Methods	2 Seminars		Туре	SWS	Sem	ECTS			
	Cognition and Action I		S	2	1-3	4			
	Cognition and Action II		S	2	2-4	4			
Qualification Goals	statistical analyses regar action and its potential si <u>Subject Competencies</u> : practical understanding of <u>Cross-cutting competence</u> research paradigms and experimental research for <u>Module content</u> : Both se psychology. In each sem well as potential societal <u>Course content</u> : Current	dents to understand current theorizin rding research topics in cognitive psy ocietal implications. Theoretical knowledge as well as insi of current topics in cognitive psycholo <u>cies</u> : Reading and presenting scientifi statistical analyses, understanding th or providing societally meaningful emp minars focus on a major topic from a ninar, theoretical concepts, key exper implications will be presented and cr research topics in the area of cogniti eption, or experience of human actior	chology w ghts in exp ogy. ic studies, ne potentia pirical evic current re imental pa itically dis ve psycho	ith a focus berimenta assessing als and lin lence, sci search ar aradigms a cussed.	s on cogn Il paradigr g the suita nitations c entific writ rea in cogn and findin	ition and ns and ability of of ting. nitive			
Language Prerequisites for Attendance	English or German								
Prerequisites for Pass/Fall and Grade Exams	consultation with the sen presentation (10-30 minu	n, preparation of one lesson of the sen ninar leader. Design of the seminar le utes), moderation. (seminar I and II) 10000-30000 characters incl. spaces	esson with	the help		re in			
Grade Composition	grade written assignmen	t (Seminar II)							
Workload	Total Workload 240h: At	tendance 60h, Self-Study 180h							

Module	Basic and Application-Oriented Psychological Science II D Economic Psychology								
Usability	M.Sc. Psychology, Research Methods, Basic and Application-Oriented Psychological Science I		Modul Code 03LE36MO-932-4040						
Duration Frequency	☐ 1 Semester ☐ half-yearly	⊠ 2 Semester ⊠ yearly							
Module Type	Required Module	⊠ Required Elective Module		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									
<u>Module content</u>	psychology (e.g. consum be able to analyze psych as team and organization perspective. Considering approaches and diagnos well as approaches to the <u>Cross-cutting competence</u> interventions in the work- trainings and other interv original theories and find limits of applying scientifis scientific results for differ <u>Module content</u> : Theories methods used to obtain a addressed as well as rec economic sector (includin <u>Course content</u> : The sem	n-depth knowledge and competencie ter behavior, stress experience and le tological aspects of the respective rol nal member and to reflect on them from the context of application, students of tic procedures, evidence-based prace eir evaluation based on economic psi- cess. Acquisition of evidence-based m oplace. This will lay the foundations for the context of application, students will acquire a deeper tic findings in practice. They will gain of the target groups (e.g. research, main s, concepts, findings and intervention and examine them are explored in de- tent developments in the professiona ing NPO) will be critically appraised. hinars are differentiated by their focus rch-oriented (Economic Psychology I	eadership es as pro- om an app will acquir tice conce ychology. nethods fo or planning economic understand competen nagement is in econd pth. Curre I field of p	processe ducer and lication-ore e methode pts and ir r diagnost g assessin psycholog ding of the cies in the).	s). Studer i consume riented ological ntervention tics and nent cente gyIn deal e possibilit preparati	nts will or as well ns as ers, ing with ices and ion of d the s will be			
Language	Economic Psychology I:	German, Economic Psychology II: Ei	nglish						
Prerequisites for Attendance	None								
Prerequisites for Pass/Fall and Grad Exams	10-30 minutes and mode	, contribution to one seminar sessior eration. (seminar I and II) 10000-30000 characters incl. spaces			ral presen	itation of			
Grade Composition	grade written assignmen	t (seminar II)							
Workload	Total Workload 240h: Att	endance 60h, Self-Study 180h							

Module	Basic and Application-Oriented Psychological Science II E Higher Cognition			Basic and Application-Oriented Psychological Science II E Higher Cognition Module Responsible Klauer				
Usability	M.Sc. Psychology, Research Methods, Basic and Application-Oriented Psychological Science I		Module Code 03LE36MO-932-4050					
Duration	1 Semester	2 Semester						
Frequency	half-yearly	🛛 yearly						
Module Type	Required Module	⊠ Required Elective Module	Ele	ctive Mod	ule			
Teaching and Learning Methods								
	2 Seminars							
			Туре	SWS	Sem	ECTS		
	Higher Cognition I		S	2	1-3	4		
	Higher Cognition II		S	2	2-4	4		
Qualification Goals	social psychology and n <u>Subject Competencies</u> : research methods of res and reasoning, memory different research quest collecting evidence on t searches and design ap current discussions and computational modeling <u>Cross-cutting competen</u> process, especially in re generation process. Mo reports and in the integr	participants to research topics span nathematical psychology. The participants acquire the ability t search on "higher" human abilities, v , and social cognition. They will acq ions and assess the suitability of ma he research questions. They are en- propriate empirical studies. Particip controversies in these fields and of a sapplied in these domains. <u>cies</u> : Participants acquire an advance agard to the role of critical discussion reover, participants will deepen their ation of different scientific texts, the cation of theories and research meth	o evaluate f vith an emp uire the abil ajor method abled to cor pants will als the methoc ced underst s and contr r skills in the y will acquir	theories, c hasis on t ity to appl ological a nduct their so learn to ls of math anding of roversies i e critical re e compete	the resea in the know	and hinking pries to s for ature id explain and rch wledge- scientific		
Module content	in thinking and reasonin topics to be treated com recognition memory, an seminars will as a rule o	minars will present in an exemplary g research, memory research, and s prise dual-process theories of reaso d the theory of implicit measures of concern topics in which the lecturer i elopment of current research progra	social-cogni oning, math attitudes in s especially	ition resea ematical r social cog compete	arch. Exar nodels of Inition. Th	nples of e		
		ntents of the individual seminars cor and reasoning, memory, and social		current re	search fie	elds in		
Language	3	<u>.</u>	-					
	Instructional language:	English; Examination language: Ger	man or Eng	llish				
Prerequisites for Attendance	None							
Prerequisites for Pass/Fall and Grad								
	consultation with the se	n, preparation of one lesson of the s minar leader. Design of the seminar oderation of the discussion (semina	lesson with					

PL: Written assignment, 10000-30000 characters incl. spaces (seminar II).

Grade Composition

grade written assignment or protocol (seminar II)

Workload

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

Module	Basic and Application-Oriented Psychological Science II F Sustainability and Communication			Module Responsible Kiesel				
Usability	M.Sc. Psychology, Research Methods, Basic and Application-Oriented Psychological Science I		Module Code 03LE36MO-932-4060					
Duration	□ 1 Semester ⊠ 2 Semester □ half-yearly ⊠ yearly □ Required Module Module							
Frequency								
Module Type			Elective Module					
Teaching and Learning Methods	2 Seminare		Туре	SWS	Sem	ECTS		
	Sustainability and Comr	nunication I	S	2	1-3	4		
	Sustainability and Comr		S	2	2-4	4		
Qualification Goals Module content	 The climate crisis requires a joint effort of different scientific disciplines to reduce the human impact in the Anthropocene. Psychological models on intention, behavior as well as educational psychology and communication strategies might contribute to this main goal. <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. <u>Cross-cutting competencies</u>: They learn to transfer psychological knowledge and methods to address specific problems in different areas. <u>Module content</u>: 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 psychology to deepen the psychological understanding of the climate crisis and to develop psychology. 							
Language	English or German							
Prerequisites for Attendance	none							
Prerequisites for Pass/Fall and Grad Exams	d 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 research 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)							
Grade Composition	grade written assignment (seminar II).							
Workload	Total Workload 240h: Attendance 60h, Self-Study 180h							

Module	Skills / Project Oriented Learning		Module Responsible Kiesel				
Usability	M.Sc. Psychology, Research Methods, Basic and Application-Oriented Psychological Science I and II		Module Code 03Le36MO-932-5000				
Duration	1 Semester	⊠ 2 Semester					
Frequency	🛛 half-yearly	yearly					
Module Type	Required Module	Required Elective Module	Elec	ctive Mod	ule		
Teaching and Learning Methods	2 Seminars		Turne	SWC	Com	FOTO	
	Skill – Project Oriented Learning I		Туре	SWS	Sem	ECTS	
		C C	S	2	2	4	
	Skill – Project Oriented Learning II			2	3	4	
Qualification Goals							
Columnation Coals		choose individual skills they aim to ained in the form of a practical proje		ouild an in	dividual p	ortfolio.	
<u>Module content</u>	 <u>Subject Competencies</u>: 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. <u>Cross-cutting competencies</u>: Development of an individual portfolio according to specific strengths and interests. <u>Module content</u>: Support and supervision of specific projects to develop and train the respective skills. Guidance and coaching to detect individual strength and interests <u>Course content</u>: The seminars are project-related and focus on mentoring and supervision to develop own skills. 				reach, ig and ective		
Language							
	German or English						
Prerequisites for Attendance	none						
Prerequisites for Pass/Fall and Grad							
	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) PL: none						
Grade Composition	not graded						
Workload	Total Workload 240h: At	tendance 60h, Self-Study 180h					

Module	Internship			Module Responsible Schönauer			
Usability	M.Sc. Psychology, Basic and Application-Oriented Psychological Science I and II, Skills			Modul Code 03LE36MO-932-6000			
Duration Frequency	1 Semester	⊠ 2 Semester ⊠ yearly					
Module Type	Required Module	Required Elective	Elec	ctive Modu	ule		
Teaching and Learning Methods	Internship		Туре	SWS	Sem	ECTS	
	Internship		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		1-4	10	
Qualification Goals	psychological focus. They internship activities are co Furthermore, they obtain environment. They develo <u>Cross-cutting competenci</u> theories and findings in d their study program in rea	n the internship, students gain an ir y acquire knowledge about the task ompleted, as well as about the stru- initial experience in teamwork and op perspectives for further study ar ies: By reflecting on how their pract ifferent fields of psychology, studer al-world practical scenarios. They c cills in a practical working environm	ss of the org cture of the with manag ad later prof tical activitie nts will learr an further d	anizations respective gers in a v essional a es and exp n to apply	s in which e work pro ocational activity. periences the conte	relate to nt of	
Module content	<u>Module content:</u> The vocational internship is completed at organizations whose fields of activity have clearly recognizable connections to the study content and professional fields of psychology. Here, students get to know one or more internship institutions (structure, organizational structure, products and services, areas of responsibility; employees and clients/customers). The total duration of internship activities is equivalent to 300 hours. The internship usually takes place during the lecture-free period. It is completed without interruptions, as one continuos practical training phase. The internship can be completed in Germany or abroad.					, I ce during	
Language	Cormon or English						
Prerequisites for Attendance		ship, students must obtain approva successfully completed before the					
Prerequisites for Pass/Fall and Grade Exams	SL: Internship certificate						
Grade Composition	not graded						
Workload	Total Workload 300h: Atte	endance 270h, Self-Study 30h					

Module	Interdisciplinary Studies		Module Responsible Schönauer			
_Usability	M.Sc. Psychology		Module Code 03LE36MO-932-7000			
Duration Frequency	☐ 1 Semester ⊠ half-yearly					
Module Type	Required Module	Required Elective	Elec	ctive Mod	ule	
Teaching and Learning Methods	Lecture, Tutorial, or Seminar Any kind of course can be attended. It is possible to acquire 6 ECTS points in a single course, or in more than one courses, from one or from multiple fields.		Туре	SWS	Sem 1-4	ECTS 6
Qualification Goals	from outside of their train specific regard to their fu	<u>cies</u> : The students will acquire interdis ning discipline based on their individua ture field of expertise. This will allow earch and theory relates to other field e.	al prefere them to g	nces and ain a deep	needs, wi oer unders	th standing
<u>Module content</u>	Module content: Determined and indicated by elected subject. Courses can be elected in the subjects Biology, Learning Sciences, Computer Sciences, Cognitive 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 an area outside of those listed, they should contact the examination office in advance. In certain cases, a registration subject to rules of the respective faculty or teacher/tutor may be necessary.					
Language	German or English					
Prerequisites for Attendance	none					
Prerequisites for Pass/Fall and Grad	SL: determined by electe	ed subject				
Grade Composition	not graded					
Workload	Total Workload 180h: Attendance 60h, Self-Study 120h. Attending and self-study times can deviate from this. Allocation of ECTS to attending and self-study times determined by elected subject.					

Module	Master's Module			Module Responsible Klauer				
Usability	M.Sc. Psychology, Research Methods, Basic and Application-Oriented Psychological Science I and II, Skills			Module Code _03LE36MO-932-8000				
Duration	1 Semester	⊠ 2 Semester						
Frequency	🛛 half-yearly	vearly						
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		К	2	3-4	2		
	Colloquium II		к	2	3-4	2		
	Master's Thesis				3-4	30		
Qualification Goals								
		is to enable participants to devise and luate existing research projects and t master's thesis.						
	<u>Subject Competencies</u> : Students acquire the ability to assess theories and concepts of selected areas of cognitive, instructional, or economic psychology. They learn to apply advanced psychological research methods by means of examples of current research projects. They learn to manage research projects at all stages of the research process, from design to the interpretation of empirical results, including knowledge of and adherence to open science guidelines. They are enabled to present and publicly defend psychological research results.							
	Within a period of six months, students acquire the skills to develop a well-defined research project on a psychological research question, work on it using scientific methods and write it up. This includes formulating a research question, researching the relevant literature, selecting the appropriate research method, collecting and analyzing data, and interpreting the results.							
	<u>Cross-cutting competencies</u> : Critical and reflected assessment of scientific results and the procedures by which these are won. Ability to critically discuss the strength and weaknesses of different research procedures. They apply theses skills in conducting independent research projects. They learn to present scientific results and to argue scientifically. This includes the ability to discuss research questions and projects in a team, and to cope with critique in a scientific setting in a constructive and deliberated manner.							
	different research proce projects. They learn to p to discuss research que	ese are won. Ability to critically discus dures. They apply theses skills in cor present scientific results and to argue stions and projects in a team, and to	ss the streenducting in scientifica	ngth and v Idepender Illy. This ir	veakness nt researc ncludes th	es of h e ability		
Module content	different research proce projects. They learn to p to discuss research que in a constructive and de <u>Module content</u> : In the n economic psychology ar research from the partic projects of the participat provide role models ena their goals, the derivatio	ese are won. Ability to critically discus dures. They apply theses skills in cor present scientific results and to argue stions and projects in a team, and to	ss the strein nducting in scientifica cope with s in cogniti uia. The di and extern projects b discuss ex	ngth and v idepender illy. This ir critique in ive, instruc scussed r ally funde y invited g kcellent re	veakness nt researc ncludes th a scientif ctional, ar esearch in d researc juests. Th search pr	es of h e ability ic setting nd ncludes h ese ojects,		
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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 Grad	
	 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