



Module Catalogue
Master's Programme: Neuro-cognitive Psychology
(Master of Science, M.Sc.)

(120 ECTS credits)

Based on the *Prüfungs- und Studienordnung* adopted by the Senate of the Ludwig-Maximilians-Universität München on 14th of August 2025

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Abbreviations and annotations

CP	Credit Points, ECTS credits
ECTS	European Credit Transfer and Accumulation System
h	hours
SoSe	summer semester
SWS	contact hours
WiSe	winter semester
WP	compulsory elective course/module
P	mandatory course/module

1. The ECTS credits assigned in the Module Catalogue are designated as follows: Credit Points not listed in parentheses are awarded when the pertinent examination of the module or module parts have/has been completed successfully. Credit Points in parentheses are listed for calculatory purposes only.

2. The semester for taking a module can either be binding or may be considered as a recommendation, depending on the applicable data in Anlage 2 of the Prüfungs- und Studienordnung for your Programme. In this Module catalogue, the options are indicated as „scheduled semester“ and „recommended semester“.

3. Please note: The Module Catalogue is merely intended to serve as an orientation whereas the provisions of the applicable version of the Prüfungs- und Studienordnung (in German only) of your Programme are legally binding. See: www.lmu.de/studienangebot and select your Programme.

Module: P 1 Neuro-cognitive Psychology I

Programme

Master's Programme: Neuro-cognitive Psychology
(Master of Science, M.Sc.)

Related module parts

Course type	Course (mandatory)	Rotation	Contact hours	Self-study hours	ECTS
Lecture	P 1.1 Basic Neuro-cognitive Psychology (Lecture)	WiSe	30 h (2 SWS)	60 h	(3)
Seminar	P 1.2 Basic Neuro-cognitive Psychology (Seminar)	WiSe	30 h (2 SWS)	60 h	(3)

For successful completion of the module, 6 ECTS credits have to be acquired. Class attendance averages about 4 contact hours. Including time for self-study, 180 hours have to be invested.

Module type	Mandatory module with mandatory courses
Usability of the module in other Programmes	Available for students of the Graduate School of Systemic Neurosciences (GSN-LMU)
Erasmus	Yes
Elective guidelines	None
Entry requirements	None
Semester	Recommended semester: 1
Duration	The completion of the module takes 1 semester.
Content	Introduction to the cognitive neuroscience of different cognitive functions such as perception, motor control, attention, learning and memory.
Learning outcomes	After successfully completing this module, students will have gained insights into fundamental topics of neuro-cognitive psychology and got a read on current notions concerning attention, perception, learning & memory, and motor control from an integrated experimental-psychological, neurobiological and neuro-computational perspective.
Type of examination	Written exam (90 minutes)
Type of assessment	The successful completion of the module will be graded.
Requirements for the gain of ECTS credits	ECTS credits will be granted when the module examination (or the examination of pertinent mandatory and potential elective compulsory module parts) has/have been completed successfully.

Responsible contact	Prof. Dr. Melissa Vö
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Language(s)	English
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Additional information	None
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Module: P 2 Interdisciplinary Training I

Programme

Master's Programme: Neuro-cognitive Psychology
(Master of Science, M.Sc.)

Related module parts

Course type	Course (mandatory)	Rotation	Contact hours	Self-study hours	ECTS
Lecture	P 2.1 Basic Research Methods (Lecture)	WiSe	30 h (2 SWS)	60 h	(3)
Seminar	P 2.2 Basic Research Methods (Seminar)	WiSe	30 h (2 SWS)	60 h	(3)
Lecture	P 2.3 Computational Neuroscience	SoSe	30 h (2 SWS)	60 h	(3)
Seminar	P 2.4 Critical Perspectives and Current Controversies in Neuro-cognitive Psychology	SoSe	30 h (2 SWS)	60 h	(3)

For successful completion of the module, 12 ECTS credits have to be acquired. Class attendance averages about 8 contact hours. Including time for self-study, 360 hours have to be invested.

Module type	Mandatory module with mandatory courses
Usability of the module in other Programmes	None
Erasmus	Yes
Elective guidelines	None
Entry requirements	None
Semester	Recommended semester: 1
Duration	The completion of the module takes 2 semesters.
Content	Courses P 2.1, P 2.2 and P2.3 comprises an introduction to topics in statistical and computational neuroscience, such as statistical models, data visualization, neural networks, or coding and representation. Course 2.4 is conceptualized as a 'debating club' during which scientific articles will be discussed in terms of: the issue under investigation, the conceptual developmental, the methodology used to investigate it, the data analysis and presentation, and the discussion of the results and their theoretical implications.
Learning outcomes	After successfully completing this module, students will be equipped with a fundamental understanding of statistical concepts and modeling the nervous system at the cellular and network level. Furthermore, students will have learned to

critically evaluate ("review") recent published research articles in the field of neurocognitive psychology.

Type of examination	Presentation (45 minutes) and written report (30.000 characters)
Type of assessment	The successful completion of the module will not be graded.
Requirements for the gain of ECTS credits	ECTS credits will be granted when the module examination (or the examination of pertinent mandatory and potential elective compulsory module parts) has/have been completed successfully.
Responsible contact	Prof. Dr. Christopher Donkin
Language(s)	English
Additional information	None

Module: P 3 Neurosciences I

Programme

Master's Programme: Neuro-cognitive Psychology
(Master of Science, M.Sc.)

Related module parts

Course type	Course (mandatory)	Rotation	Contact hours	Self-study hours	ECTS
Lecture	P 3.1 Fundamentals in Neuroscience 1 - Lecture	WiSe	60 h (4 SWS)	60 h	(4)
Lecture	P 3.2 Advanced Functional Neuroanatomy	WiSe	15 h (1 SWS)	45 h	(2)

For successful completion of the module, 6 ECTS credits have to be acquired. Class attendance averages about 5 contact hours. Including time for self-study, 180 hours have to be invested.

Module type	Mandatory module with mandatory courses
Usability of the module in other Programmes	Available for students of the Graduate School of Systemic Neurosciences (GSN-LMU)
Erasmus	Yes, please contact the coordinator of the M.Sc. in Neurosciences at GSN-LMU
Elective guidelines	None
Entry requirements	None
Semester	Recommended semester: 1
Duration	The completion of the module takes 1 semester.
Content	Content is an introduction to fundamental principles in neuroscience. The lecture P 3.1 covers topics such as (1) electrophysiology, (2) synapses and networks, (3) motor systems and (4) cognitive neuroscience. The lecture P 3.2 covers selected topics of advanced functional neuroanatomy based on neuro-imaging data.
Learning outcomes	After successfully completing this module, students will have gained insights into fundamental principles in neurosciences and are able to reproduce the covered topics.
Type of examination	Written exam (90 minutes)
Type of assessment	The successful completion of the module will be graded.
Requirements for the gain of ECTS credits	ECTS credits will be granted when the module examination (or the examination of pertinent mandatory and potential elective

compulsary module parts) has/have been completed successfully.

Responsible contact	PD Dr. Artyom Zinchenko
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Language(s)	English
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Additional information	None
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Module: P 4 Neuro-cognitive Methods I

Programme

Master's Programme: Neuro-cognitive Psychology
(Master of Science, M.Sc.)

Related module parts

Course type	Course (mandatory)	Rotation	Contact hours	Self-study hours	ECTS
Lecture	P 4.1 Reaction Time and Psychophysical Methods (Lecture)	WiSe	30 h (2 SWS)	60 h	(3)
Tutorial	P 4.2 Reaction Time and Psychophysical Methods (Tutorial)	WiSe	30 h (2 SWS)	60 h	(3)

For successful completion of the module, 6 ECTS credits have to be acquired. Class attendance averages about 4 contact hours. Including time for self-study, 180 hours have to be invested.

Module type	Mandatory module with mandatory courses.
Usability of the module in other Programmes	Available for students of the Graduate School of Systemic Neurosciences (GSN-LMU)
Erasmus	No
Elective guidelines	None
Entry requirements	None
Semester	Recommended semester: 1
Duration	The completion of the module takes 1 semester.
Content	Mental chronometry theory and reaction time analyses, classical psychophysical methods, psychometric functions, adaptive methods and signal detection theory. The seminar includes a full mini research project, from experimental design, data acquisition and analysis, to final report. The results of this practical project will be presented at a student's conference.
Learning outcomes	By the end of the course, students will have gained insights into doing basic psychophysical experiments, basic data analysis and statistical inference.
Type of examination	Written exam (90 minutes)
Type of assessment	The successful completion of the module will be graded.
Requirements for the gain of ECTS credits	ECTS credits will be granted when the module examination (or the examination of pertinent mandatory and potential

elective compulsory module parts) has/have been completed successfully.

Responsible contact	Prof. Dr. Zhuanghua Shi
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Language(s)	English
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Additional information	None
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Module: P 5 Research Project I

Programme

Master's Programme: Neuro-cognitive Psychology
(Master of Science, M.Sc.)

Related module parts

Course type	Course (mandatory)	Rotation	Contact hours	Self-study hours	ECTS
Seminar	P 5.1 Lab Rotation 1	WiSe	60 h (4 SWS)	120 h	(6)

For successful completion of the module, 6 ECTS credits have to be acquired. Class attendance averages about 4 contact hours. Including time for self-study, 180 hours have to be invested.

Module type	Mandatory module with mandatory courses
Usability of the module in other Programmes	Available for students of the Graduate School of Systemic Neurosciences (GSN-LMU)
Erasmus	No
Elective guidelines	None
Entry requirements	None
Semester	Recommended semester: 1
Duration	The completion of the module takes 1 semester.
Content	The research project consists of a supervised experimental and/or computational study on a current research issue, documented by a project report in the format of a scientific publication. Students should work on their project during the semester. Approx. 40 hours should be reserved for the supervised preparation of the written report.
Learning outcomes	The aim of the research project is to gain experience in general skills of scientific working and good laboratory practice. The student should learn how to conduct independent research, which includes the planning of an (empirical) experimental study, data collection, statistical analyses and a summary of the findings in the format of a scientific publication.
Type of examination	Written Report (30.000 characters)
Type of assessment	The successful completion of the module will be graded.
Requirements for the gain of ECTS credits	ECTS credits will be granted when the module examination (or the examination of pertinent mandatory and potential

elective compulsory module parts) has/have been completed successfully.

Responsible contact

Dr. Luca Wollenberg

Language(s)

English

Additional information

None

Module: P 6 Neuro-cognitive Methods II

Programme

Master's Programme: Neuro-cognitive Psychology
(Master of Science, M.Sc.)

Related module parts

Course type	Course (mandatory)	Rotation	Contact hours	Self-study hours	ECTS
Lecture	P 6.1 Electroencephalography and Event-related Potentials Methodology (Lecture)	SoSe	30 h (2 SWS)	60 h	(3)
Tutorial	P 6.2 Electroencephalography and Event-related Potentials Methodology (Tutorial)	SoSe	30 h (2 SWS)	60 h	(3)

For successful completion of the module, 6 ECTS credits have to be acquired. Class attendance averages about 4 contact hours. Including time for self-study, 180 hours have to be invested.

Module type	Mandatory module with mandatory courses
Usability of the module in other Programmes	Available for students of the Graduate School of Systemic Neurosciences (GSN-LMU)
Erasmus	No
Elective guidelines	None
Entry requirements	None
Semester	Recommended semester: 2
Duration	The completion of the module takes 1 semester.
Content	The theoretical part of this module covers neurophysiological fundamentals, basic electrical concepts, technical basics of EEG recording, and selected ERPs. The practical part includes data acquisition and data analysis using Brain Vision Analyzer II and the preparation of a research report.
Learning outcomes	After successfully completing this module, students will have insights into neurophysiological and technical principles of EEG and an understanding of ERPs. Furthermore, students will have acquired practical skills in EEG recording, ERP analysis, and learned how to write an ERP paper.
Type of examination	Written exam (90 minutes)
Type of assessment	The successful completion of the module will be graded.
Requirements for the gain of ECTS credits	ECTS credits will be granted when the module examination (or the examination of pertinent mandatory and potential

elective compulsory module parts) has/have been completed successfully.

Responsible contact	PD Dr. Artyom Zinchenko
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Language(s)	English
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Additional information	None
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Module: P 7 Neurosciences II

Programme

Master's Programme: Neuro-cognitive Psychology
(Master of Science, M.Sc.)

Related module parts

Course type	Course (mandatory)	Rotation	Contact hours	Self-study hours	ECTS
Lecture	P 7.1 Neurophilosophy - Lecture	SoSe	30 h (2 SWS)	60 h	(3)

For successful completion of the module, 3 ECTS credits have to be acquired. Class attendance averages about 2 contact hours. Including time for self-study, 60 hours have to be invested.

Module type	Mandatory module with mandatory courses
Usability of the module in other Programmes	Available for students of the Graduate School of Systemic Neurosciences (GSN-LMU)
Erasmus	Yes, please contact the coordinator of the M.Sc. in Neurosciences at GSN-LMU
Elective guidelines	None
Entry requirements	None
Semester	Recommended semester: 2
Duration	The completion of the module takes 1 semester.
Content	Content of the lecture is an overview of the areas: (1) Philosophy of Mind, (2) Anthropology, (3) Philosophy of Science, (4) Neuroscience and the History of Ideas.
Learning outcomes	After successfully completing this module, students will have gained insights into some of the main philosophical questions connected with cognitive neurosciences and general strategies of how to deal with these.
Type of examination	Collection of essays (2-4 essays, 2.500-5.000 characters each)
Type of assessment	The successful completion of the module will be graded.
Requirements for the gain of ECTS credits	ECTS credits will be granted when the module examination has been completed successfully.
Responsible contact	Franz Schwarzacher, Prof. Dr. Stephan Sellmaier
Language(s)	English
Additional information	None

Module: P 8 Neurosciences II)

Programme

Master's Programme: Neuro-cognitive Psychology
(Master of Science, M.Sc.)

Related module parts

Course type	Course (mandatory)	Rotation	Contact hours	Self-study hours	ECTS
Lecture	P 8.1 Neuropsychiatry and Neuropsychology	SoSe	30 h (2 SWS)	60 h	(3)

For successful completion of the module, 3 ECTS credits have to be acquired. Class attendance averages about 2 contact hours. Including time for self-study, 60 hours have to be invested.

Module type	Mandatory module with mandatory courses
Usability of the module in other Programmes	Available for students of the Graduate School of Systemic Neurosciences (GSN-LMU)
Erasmus	Yes
Elective guidelines	None
Entry requirements	None
Semester	Recommended semester: 2
Duration	The completion of the module takes 1 semester.
Content	Content of the lecture is a general introduction into neuropsychiatry.
Learning outcomes	After successfully completing this module, students will have gained insights as well as an understanding of theoretical and practical implications of neuropsychiatric disorders.
Type of examination	Written exam (60 minutes)
Type of assessment	The successful completion of the module will be graded.
Requirements for the gain of ECTS credits	ECTS credits will be granted when the module examination (or the examination of pertinent mandatory and potential elective compulsory module parts) has/have been completed successfully.
Responsible contact	Prof. Dr. Thomas Schenk
Language(s)	English
Additional information	None

Module: P 9 Neuro-cognitive Methods III

Programme

Master's Programme: Neuro-cognitive Psychology
(Master of Science, M.Sc.)

Related module parts

Course type	Course (mandatory)	Rotation	Contact hours	Self-study hours	ECTS
Lecture	P 9.1 Functional Magnetic Resonance Imaging: Theory, Design and Analysis (Lecture)	SoSe	30 h (2 SWS)	60 h	(3)
Tutorial	P 9.2 Functional Magnetic Resonance Imaging: Theory, Design and Analysis (Tutorial)	SoSe	30 h (2 SWS)	60 h	(3)

For successful completion of the module, 6 ECTS credits have to be acquired. Class attendance averages about 4 contact hours. Including time for self-study, 180 hours have to be invested.

Module type	Mandatory module with mandatory courses
Usability of the module in other Programmes	None
Erasmus	No
Elective guidelines	None
Entry requirements	None
Semester	Recommended semester: 2
Duration	The completion of the module takes 1 semester.
Content	The course covers the areas of multimodal MRI imaging and is intended to provide a theoretical and practical introduction to the use of MRI.
Learning outcomes	By the end of the course, students will have gained insights into the theoretical underpinnings of MRI, the source of both the general and the functional signal and understand how image reconstruction is done. In addition, students will have gathered knowledge about key fields and applications of f/MRI research. Furthermore, students will have gained insights into the conduction and analysis of a basic fMRI experiment.
Type of examination	Written exam (90 minutes)
Type of assessment	The successful completion of the module will be graded.

Requirements for the gain of ECTS credits

ECTS credits will be granted when the module examination (or the examination of pertinent mandatory and potential elective compulsory module parts) has/have been completed successfully.

Responsible contact

Prof. Dr.Thomas Geyer

Language(s)

English

Additional information

None

Module: P 10 Research Project II

Programme

Master's Programme: Neuro-cognitive Psychology
(Master of Science, M.Sc.)

Related module parts

Course type	Course (mandatory)	Rotation	Contact hours	Self-study hours	ECTS
Seminar	P 10.1 Lab Rotation 2	SoSe	30h (4 SWS)	120 h	(6)

For successful completion of the module, 6 ECTS credits have to be acquired. Class attendance averages about 4 contact hours. Including time for self-study, 180 hours have to be invested.

Module type	Mandatory module with mandatory courses
Usability of the module in other Programmes	None
Erasmus	No
Elective guidelines	None
Entry requirements	None
Semester	Recommended semester: 2
Duration	The completion of the module takes 1 semester.
Content	The research project consists of a supervised experimental and/or computational study on a current research issue, documented by a project report in the format of a scientific publication. Students should work on their project during the semester. Approx. 40 hours should be reserved for the supervised preparation of the written report.
Learning outcomes	The aim of the research project is to gain experience in general skills of scientific working and good laboratory practice. The student should learn how to conduct independent research, which includes the planning of an (empirical) experimental study, data collection, statistical analyses and a summary of the findings in the format of a scientific publication.
Type of examination	Written report (30.000 characters)
Type of assessment	The successful completion of the module will be graded.
Requirements for the gain of ECTS credits	ECTS credits will be granted when the module examination (or the examination of pertinent mandatory and potential

elective compulsory module parts) has/have been completed successfully.

Responsible contact	Dr. Luca Wollenberg
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Language(s)	English
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Additional information	None
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Module: P 11 Neuro-cognitive Psychology II

Programme

Master's Programme: Neuro-cognitive Psychology
(Master of Science, M.Sc.)

Related module parts

Course type	Course (mandatory)	Rotation	Contact hours	Self-study hours	ECTS
Lecture	P 11.1 Advanced Neuro-cognitive Psychology (Lecture)	WiSe	30 h (2 SWS)	60 h	(3)
Seminar	P 11.2 Advanced Neuro-cognitive Psychology (Seminar)	WiSe	30 h (2 SWS)	60 h	(3)

For successful completion of the module, 6 ECTS credits have to be acquired. Class attendance averages about 4 contact hours. Including time for self-study, 180 hours have to be invested.

Module type	Mandatory module with mandatory courses
Usability of the module in other Programmes	Available for students of the Graduate School of Systemic Neurosciences (GSN-LMU)
Erasmus	Yes
Elective guidelines	None
Entry requirements	None
Semester	Recommended semester: 3
Duration	The completion of the module takes 1 semester.
Content	Advanced introduction to the cognitive neuroscience of various brain functions and mental processing such as perception, motor control, attention, learning and memory.
Learning outcomes	After successfully completing this module, students will have gained insights into fundamental topics of neuro-cognitive psychology and got a read on current notions concerning attention, perception, learning & memory, and motor control from an integrated experimental-psychological, neurobiological and neuro-computational perspective at an advanced level.
Type of examination	Written exam (90 minutes)
Type of assessment	The successful completion of the module will be graded.
Requirements for the gain of ECTS credits	ECTS credits will be granted when the module examination (or the examination of pertinent mandatory

and potential elective compulsory module parts)
has/have been completed successfully.

Responsible contact	Prof. Dr. Melissa Vö
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Language(s)	English
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Additional information	None
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Module: P 12 Neuro-cognitive Methods IV

Programme

Master's Programme: Neuro-cognitive Psychology
(Master of Science, M.Sc.)

Related module parts

Course type	Course (mandatory)	Rotation	Contact hours	Self-study hours	ECTS
Lecture	P 12.1 Neuropsychology and Brain Stimulation Techniques (Lecture)	WiSe	30 h (2 SWS)	60 h	(3)
Tutorial	P 12.2 Neuropsychology and Brain Stimulation Techniques (Tutorial)	WiSe	30 h (2 SWS)	60 h	(3)

For successful completion of the module, 6 ECTS credits have to be acquired. Class attendance averages about 4 contact hours. Including time for self-study, 180 hours have to be invested.

Module type	Mandatory module with mandatory courses
Usability of the module in other Programmes	Available for students of the Graduate School of Systemic Neurosciences (GSN-LMU)
Erasmus	No
Elective guidelines	None
Entry requirements	None
Semester	Recommended semester: 3
Duration	The completion of the module takes 1 semester.
Content	The contents of this module include an introduction to neuropsychology as well as a theoretical outline and practical training in brain stimulation techniques and its use in cognitive neurosciences.
Learning outcomes	By the end of the course, students will firstly have learned the key principles underlying interpretation of neuropsychology and brain stimulation. Secondly, they will gain an appreciation of the limits of these techniques. Thirdly, they will have exercised their creative ability in recognizing which methodological developments are necessary for future work.
Type of examination	Written exam (90 minutes)
Type of assessment	The successful completion of the module will be graded.
Requirements for the gain of ECTS credits	ECTS credits will be granted when the module examination (or the examination of pertinent mandatory and potential

elective compulsory module parts) has/have been completed successfully.

Responsible contact	Prof. Dr. Thomas Geyer
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Language(s)	English
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Additional information	None
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Module: P 13 Interdisciplinary Training II

Programme

Master's Programme: Neuro-cognitive Psychology
(Master of Science, M.Sc.)

Related module parts

Course type	Course (mandatory)	Rotation	Contact hours	Self-study hours	ECTS
Seminar	P 13.1 Research Seminars in Neuro-cognitive Psychology	WiSe	30 h (2 SWS)	30 h	(2)
Seminar	P 13.2 Current Debates in Neuro-cognitive Psychology	WiSe	30 h (2 SWS)	90 h	(4)

For successful completion of the module, 6 ECTS credits have to be acquired. Class attendance averages about 4 contact hours. Including time for self-study, 180 hours have to be invested.

Module type	Mandatory module with mandatory courses
Usability of the module in other Programmes	None
Erasmus	Yes
Elective guidelines	None
Entry requirements	None
Semester	Recommended semester: 3
Duration	The completion of the module takes 1 semester.
Content	Course P 13.1 comprises talks from and discussions with invited national and international guest speakers concerning their latest findings and theories. Course 13.2 is conceptualized as a 'debating club' during which scientific articles on current notions in neuro-cognitive psychology will be discussed.
Learning outcomes	The objective of P 13.1 is to provide a setting and structure that together makes it possible for each student to learn about other scientists' current research work, including experiences on how to discuss these findings. Further, students will be able to judge (i.e., critically evaluate) the scientific quality of original and review articles published in different fields of neuro-cognitive psychology (P 13.2).
Type of examination	Presentation (45 minutes) and written report (15.000 characters)

Type of assessment	The successful completion of the module will not be graded.
Requirements for the gain of ECTS credits	ECTS credits will be granted when the module examination (or the examination of pertinent mandatory and potential elective compulsory module parts) has/have been completed successfully.
Responsible contact	Prof. Dr. Thomas Geyer
Language(s)	English
Additional information	None

Module: WP 1 Neuro-cognitive Research General Psychology

Programme

Master's Programme: Neuro-cognitive Psychology
(Master of Science, M.Sc.)

Related module parts

Course type	Course (mandatory)	Rotation	Contact hours	Self-study hours	ECTS
Seminar	WP 1.1 Basic Cognitive Neurosciences - General Psychology: Theory and Methods	WiSe	30 h (2 SWS)	60 h	(3)
Seminar	WP 1.2 Basic Cognitive Neurosciences - General Psychology: Empirical Work	WiSe	30 h (2 SWS)	60 h	(3)

For successful completion of the module, 6 ECTS credits have to be acquired. Class attendance averages about 4 contact hours. Including time for self-study, 180 hours have to be invested.

Module type	Compulsory elective module with mandatory courses
Usability of the module in other Programmes	None
Erasmus	No
Elective guidelines	The module can be chosen in compliance with the following rules: With regard to the compulsory elective modules WP 1 and WP 2, one compulsory elective module must be taken.
Entry requirements	None
Semester	Recommended semester: 3
Duration	The completion of the module takes 1 semester.
Content	The module focuses on a major topic from a basic research theme in cognitive/experimental psychology. In the theoretical part of the seminar, an overview of relevant studies and methods will be provided by means of lecture sessions and paper presentations. In an additional, empirical part of the seminar, an experimental study will be developed and realized with the aim to investigate a novel research question.
Learning outcomes	Students will acquire theoretical knowledge as well as experimental expertise on a circumscribed research topic in general and experimental psychology.
Type of examination	Written report (30.000 characters) or oral exam (30 minutes)
Type of assessment	The successful completion of the module will be graded.

Requirements for the gain of ECTS credits

ECTS credits will be granted when the module examination (or the examination of pertinent mandatory and potential elective compulsory module parts) has/have been completed successfully.

Responsible contact

Lea Müller Karoza

Language(s)

English

Additional information

None

Module: WP 2 Neuro-cognitive Research Biological Psychology

Programme

Master's Programme: Neuro-cognitive Psychology
(Master of Science, M.Sc.)

Related module parts

Course type	Course (mandatory)	Rotation	Contact hours	Self-study hours	ECTS
Seminar	WP 2.1 Basic Cognitive Neurosciences - Biological Psychology: Theory and Methods	WiSe	30 h (2 SWS)	60 h	(3)
Seminar	WP 2.2 Basic Cognitive Neurosciences - Biological Psychology: Empirical Work	WiSe	30 h (2 SWS)	60 h	(3)

For successful completion of the module, 6 ECTS credits have to be acquired. Class attendance averages about 4 contact hours. Including time for self-study, 180 hours have to be invested.

Module type	Compulsory elective module with mandatory courses
Usability of the module in other Programmes	None
Erasmus	No
Elective guidelines	The module can be chosen in compliance with the following rules: With regard to the compulsory elective modules WP 1 and WP 2, one compulsory elective module must be taken.
Entry requirements	None
Semester	Recommended semester: 3
Duration	The completion of the module takes 1 semester.
Content	The module focuses on a major topic from a basic research theme in biological psychology. In the theoretical part of the seminar, an overview of relevant studies and methods will be provided by means of lecture sessions and paper presentations. In an additional, empirical part of the seminar, an experimental study will be developed and realized with the aim to investigate a novel research question.
Learning outcomes	Students will acquire theoretical knowledge as well as experimental expertise on a circumscribed research topic in biological psychology.
Type of examination	Written report (30.000 characters) or oral exam (30 minutes)
Type of assessment	The successful completion of the module will be graded.

Requirements for the gain of ECTS credits

ECTS credits will be granted when the module examination (or the examination of pertinent mandatory and potential elective compulsory module parts) has/have been completed successfully.

Responsible contact

Lea Müller Karoza

Language(s)

English

Additional information

None

Module: WP 3 Neuro-cognitive Research Neuropsychology

Programme

Master's Programme: Neuro-cognitive Psychology
(Master of Science, M.Sc.)

Related module parts

Course type	Course (mandatory)	Rotation	Contact hours	Self-study hours	ECTS
Seminar	WP 3.1 Applied Cognitive Neurosciences - Neuropsychology: Theory and Methods	WiSe	30 h (2 SWS)	60 h	(3)
Seminar	WP 3.2 Applied Cognitive Neurosciences - Neuropsychology: Empirical Work	WiSe	30 h (2 SWS)	60 h	(3)

For successful completion of the module, 6 ECTS credits have to be acquired. Class attendance averages about 4 contact hours. Including time for self-study, 180 hours have to be invested.

Module type	Compulsory elective module with mandatory courses
Usability of the module in other Programmes	None
Erasmus	No
Elective guidelines	The module can be chosen in compliance with the following rules: With regard to the compulsory elective modules WP 3 and WP 4, one compulsory elective module must be taken.
Entry requirements	None
Semester	Recommended semester: 3
Duration	The completion of the module takes 1 semester.
Content	The module focuses on a major topic from a basic research theme in neuropsychology. In the theoretical part of the seminar, an overview of relevant studies and methods will be provided by means of lecture sessions and paper presentations. In an additional, empirical part of the seminar, an experimental study will be developed and realized with the aim to investigate a novel research question.
Learning outcomes	Students will acquire theoretical knowledge as well as experimental expertise on a circumscribed research topic in neuropsychology.
Type of examination	Written report (30.000 characters) or oral exam (30 minutes)

Type of assessment	The successful completion of the module will be graded.
Requirements for the gain of ECTS credits	ECTS credits will be granted when the module examination (or the examination of pertinent mandatory and potential elective compulsory module parts) has/have been completed successfully.
Responsible contact	Dr. Frederic Göhringer
Language(s)	English
Additional information	None

Module: WP 4 Neuro-cognitive Research Computational Psychology

Programme

Master's Programme: Neuro-cognitive Psychology
(Master of Science, M.Sc.)

Related module parts

Course type	Course (mandatory)	Rotation	Contact hours	Self-study hours	ECTS
Seminar	WP 4.1 Applied Cognitive Neurosciences - Computational Psychology: Theory and Methods	WiSe	30 h (2 SWS)	60 h	(3)
Seminar	WP 4.2 Applied Cognitive Neurosciences - Computational Psychology: Empirical Work	WiSe	30 h (2 SWS)	60 h	(3)

For successful completion of the module, 6 ECTS credits have to be acquired. Class attendance averages about 4 contact hours. Including time for self-study, 180 hours have to be invested.

Module type	Compulsory elective module with mandatory courses
Usability of the module in other Programmes	None
Erasmus	No
Elective guidelines	The module can be chosen in compliance with the following rules: With regard to the compulsory elective modules WP 3 and WP 4, one compulsory elective module must be taken.
Entry requirements	None
Semester	Recommended semester: 3
Duration	The completion of the module takes 1 semester.
Content	The module focuses on a major topic from a basic research theme in clinical psychology. In the theoretical part of the seminar, an overview of relevant studies and methods will be provided by means of lecture sessions and paper presentations. In an additional, empirical part of the seminar, an experimental study will be developed and realized with the aim to investigate a novel research question.
Learning outcomes	Students will acquire theoretical knowledge as well as experimental expertise on a circumscribed research topic in clinical psychology.

Type of examination	Written report (30.000 characters) or oral exam (30 minutes)
Type of assessment	The successful completion of the module will be graded.
Requirements for the gain of ECTS credits	ECTS credits will be granted when the module examination (or the examination of pertinent mandatory and potential elective compulsory module parts) has/have been completed successfully.
Responsible contact	Prof. Dr. Christopher Donkin
Language(s)	English
Additional information	None

Module: P 14 Final Module

Programme

Master's Programme: Neuro-cognitive Psychology
(Master of Science, M.Sc.)

Related module parts

Course type	Course (mandatory)	Rotation	Contact hours	Self-study hours	ECTS
Masterarbeit	P 14.1 Master's Thesis	SoSe	-	900 h	(30)

For successful completion of the module, 30 ECTS credits have to be acquired. Including time for self-study, 900 hours have to be invested.

Module type	Mandatory module
Usability of the module in other Programmes	None
Erasmus	No
Elective guidelines	None
Entry requirements	Successful completion of the modules P1 – P10
Semester	Recommended semester: 4
Duration	The completion of the module takes 1 semester.
Content	The master thesis summarizes a final research project in the study program. It is intended to demonstrate that the student is capable to work independently on a given scientific question.
Learning outcomes	The master thesis aims to demonstrate that the student is able to independently cope with an adequately demanding scientific question that also includes the possibility to unfold individual ideas.
Type of examination	Master's thesis (23 weeks, 80.000 – 120.000 characters)
Type of assessment	The successful completion of the module will be graded.
Requirements for the gain of ECTS credits	ECTS credits will be granted when the module examination (or the examination of pertinent mandatory and potential elective compulsory module parts) has/have been completed successfully.
Responsible contact	Prof. Dr. Thomas Geyer
Language(s)	English

Additional information

None