

## **MSc Neuroscience, University Oldenburg: List of modules which can be chosen within the category of 30 ECTS free choice, without special permission**

(Version: Winter term 2016/2017)

### **PLEASE NOTE:**

- You can choose to take up to 30 ECTS (equivalent to one semester) courses from other MSc programs at University of Oldenburg or other universities in Germany or abroad.
- If you want to get credits for a course that is not listed here, you need to obtain the approval of the head of the examining board ([jutta.kretzberg@uni-oldenburg.de](mailto:jutta.kretzberg@uni-oldenburg.de)), prior to taking the course.
- If places are limited, those students who are enrolled in the program to which the course belongs take priority. You cannot claim any right to admission to courses that are not part of the curriculum of the MSc Neuroscience. If you want to participate in a course from a different program, you need to obtain permission from the module coordinator to enroll.
- If you participate in courses from other MSc programs that run in parallel to courses from the the MSc Neuroscience core curriculum you are enrolled in, make sure that you reach an agreement with the neuroscience module coordinator about any temporary absence necessary.
- If you want to get credits for courses from other MSc programs, it is your responsibility to ensure that the module certificate with module title, number of ECTS and grade is sent to the examinations office.

## **MSc Neurosciences, University of Bremen:**

All modules, except for ‚Introductory Week‘ and ‚Master Thesis‘:

Number	Module Name	ECTS	Term
401-1	Cellular and Molecular Neurosciences	6	winter
402	Systemic Neurosciences	6	winter
403-1	Theoretical Neurosciences	6	winter
404	Clinical Neurosciences	6	winter
406	Neuro-and Electrophysiology	9	summer
407	Neuropharmacology II	9	summer
408	Experimental Neuroanatomy and Behavioral Physiology	9	summer
409	Psychophysics and Human Neurophysiology	9	summer
410	Experimental Neuropsychology	9	summer
411	Cognitive Psychology and Electroencephalography	9	summer
412	Functional Neuroimaging	9	summer
413	Neurophysics	9	summer
414	Programming	3	winter
415	Laboratory Animal Science	3	winter
501/502	Lab Rotation	15	winter

## MSc Biologie, Oldenburg:

Many modules are shared between MSc Neuroscience and MSc Biologie and therefore should be chosen from the core curriculum.

### Additional modules, which do not need special permission:

Number	Module Name	ECTS	Term
bio650	Grundmodul Ornithologie	15	winter
bio660	Vertiefungsmodul Ornithologie	15	winter
bio720	Grundmodul marine Biodiversität	15	winter
bio730	Grundmodul Evolutionsbiologie	15	winter
bio740	Vertiefungsmodul marine Biodiversität	15	summer
bio750	Vertiefungsmodul Evolutionsbiologie	15	summer

### Shared modules (choose the respective neuroscience modules):

Number bio	Number neuro	Neuro Module Name	ECTS	Term
bio600	neu170	Molecular Genetics & Cell Biology	15	winter
bio610	neu210	Neurosensory Science & Behaviour A	9	winter
	neu220	Neurosensory Science & Behaviour B	6	
bio620	neu140	Neurophysiology	9	summer
	neu150	Neuroanatomy	6	
bio640	neu270	Neurocognition & Psychophysics	15	summer
bio680	neu470	Molecular Sensory Neuroscience	15	flexible
bio690	neu190	Biochemical concepts in signal transduction	15	winter
bio840	neu110	Development & Evolution	9	winter
	neu120	Lab Exercise Development & Evolution	6	
bio850	neu570	Development & Evolution Auditory System	15	flexible

## MSc Hörtechnik und Audiologie, Oldenburg:

All modules, except for ‚Master Thesis‘ and ‚phy870‘:

Number	Module Name	ECTS	Term
phy800	Grundlagen der numerischen Modellierung	6	summer
phy810	Theorie I (Signal- und Systemtheorie)	6	summer
phy820	Theorie II (Statistik)	6	winter
phy830	Akustik und Signalverarbeitung I	6	winter
phy840	Akustik und Signalverarbeitung II	6	summer
phy850	Biomedizinische Physik und Neurophysik I	6	winter
phy860	Biomedizinische Physik und Neurophysik II	6	summer
phy880	Fortgeschrittenenprojektpraktikum Hörtechnik und Audiologie	6	W / S
phy890	Wahlpflicht Hörtechnik und Audiologie	6	W / S

W / S: Can be taken in winter **or** summer semester, choice of courses differs between semesters.

## MSc Neurocognitive Psychology, Oldenburg:

All modules of MSc neurocognitive psychology, except for ‚Minor‘, ‚Master Thesis‘ and ‚Master Colloquium‘ are credited without special permission, within the category of 30 ECTS free choice. Note, however, that many modules in the neurocognitive psychology program are typically fully booked and cannot accept additional students. The following modules supplement the neuroscience curriculum well and usually accept neuroscience students, but still need the prior permission of the module coordinator:

Number	Module Name	ECTS	Term
psy160	Psychophysics of visual perception and illusions	6	summer
psy190	Sex and Cognition	6	summer
psy200	Neuropsychology	9	W & S
psy210	Applied Cognitive Psychology	6	summer
psy230	Neuromodulation of Cognition	6	winter

W & S: Two parts – first winter term, then summer term,

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### Overlapping modules of both programs (take neuroscience modules):

Number psy	Number neuro	Name Neuro	ECTS	Term
psy181	neu220	Neurosensory Science & Behaviour B	9	winter
psy220	neu250	Computational Neuroscience – stat. learning	6	winter

## MSc Informatik, Oldenburg:

Selected modules:

Number	Module Name	ECTS	Term
inf100	Mensch-Maschine-Interaktion	6	winter
inf305	Medizintechnik	6	winter
inf307	Robotik	6	summer
inf524	Einführung in die Medizin für Informatik	6	winter
inf535	Computational Intelligence	6	winter