List of all M.Sc. Neuroscience Modules (year 2022/23) https://uol.de/en/master-neuroscience/

	NR	Module	Teachers	Winter Semester		Semester break	Summer Semester		Semester break
				1. Half	2. Half		1. Half	2. Half	
Background Modules	neu350	Biological Foundations of Neuroscience	Puller, Greschner, Jüschke	6 CP					
	bio845	Introduction Development & Evolution	Sienknecht, Claußen	6 CP					
	bio846	Lab Exercise in Devo & Evo	Sienknecht, Claußen, Ebbers		6 CP				
	bio605	Molecular Genetics & Cell Biology	Neidhardt, Jüschke, Koch	12 CP					
	neu320	Introduction to Neurophysics	Anemüller, Dietz	weekly course 6 CP					
	neu241	Computational Neurosci. - Introduction	Ashida, Kretzberg, Greschner		12 CP				
	bio695	Biochem. Conc. in Signal Transduct.	Koch, Scholten		12 CP				
	neu210	Neurosensory Science & Behaviour	Langemann, Mouritsen (offered last time!)		9 CP				
	neu220	Neurocognition & Psychopharmacology	Thiel, Giessing		6 CP				
	neu141	Visual Neurosci. - Physiology & Anatomy	Greschner, Dedek, Puller				12 CP		
	neu150	Visual Neurosci.: Anatomy	Puller				6 CP		
	neu250	Comp. Neurosci. - Statistical Learning	Anemüller, Rieger				6 CP		
	psy270	Functional MRI Data Analysis	Thiel, Gießing				9 CP		
	neu360	Auditory Neuroscience	Klump, Köppl					6 CP	
	neu310	Psychophysics of Hearing	Beutelmann					12 CP	
	neu340	Invertebrate Neuroscience	Kretzberg					6 CP	
	neu345	Computation in Invertebrate Systems	Kretzberg						6 CP
Skills Modules	neu710	Neuroscientific Data Analysis in Matlab	Kretzberg	6 CP					
	neu725	Multivariate Statistics in R	Hildebrandt	Weekly course 6 CP					
	neu790	Communicating Neuroscience	Kretzberg, Köppl	weekly course 3 CP					
	gsw200	Microscopic Imaging Biological Sciences	Dedek	weekly course 3 CP					
	neu820	Neuroscience Journal Club	Mertsch	weekly course 3 CP			weekly course 3 CP		
	neu751	Laboratory Animal Science	Köppl, Klump, Langemann			3 CP			3 CP
	neu780	Introduction Data Analysis with Python	Winklhofer			6 CP			
	neu760	Scientific English	Manley, Köppl			6 CP			
	neu830	Neuroanatomy of the Brain	Maier			3 CP			
	neu800	Introduction to Matlab	Gießing			3 CP			
	neu730	Biosciences in public eye and laws	Köppl, Sienknecht				weekly course 6 CP		
	neu810	International Meeting Contribution	Kretzberg, Köppl	3 CP flexible timing					
Res.	neu600	Neuroscience Research Project (see list)	all teachers	15 CP flexible timing					
	neu610	External Research Module	all teachers	15 CP flexible timing					
MT	mam	Master Thesis Module	all teachers	30 CP flexible timing					

Legend:

full-time courses with fixed time slots

part-time courses with fixed time slots

CP credit point, ECTS (30h work load)

Program requirements:

- 30 ECTS Master Thesis Module
- 30 ECTS Background Modules
- 15 ECTS Research Modules
- 6 ECTS Skills Modules
- 9 ECTS any further module(s) from Neuroscience curriculum
- 30 ECTS free choice: any further Neuroscience module(s) or (subject to approval) courses from other M.Sc. programs, from other universities, or from abroad.

Modules neu600 and neu610 offer several project options and can be credited up to three times for different projects.
An external Master thesis requires prior completion of neu600.

Recommendations:

- **First semester starting point:** The combination of 'biological foundations' (neu350) and 'Matlab' (neu710) is not mandatory but recommended, as it provides the basis knowledge for other modules.
- **Research modules** are individual research projects in a neuroscience lab. Please find the separate list of project options for each semester in Stud.IP. Before joining the group of a supervisor for a research module, it is recommended to take at least one of the background modules this supervisor teaches. In many groups, research modules are flexible in time, e.g. allowing combination with semester-long courses, including courses from other Master's programs.
- **Elective:** Please find a list of approved courses from other M.Sc. programs at our homepage http://www.uni-oldenburg.de/en/master-neuroscience.de