

List of English courses offered at the University of Oldenburg in winter semester 2024/2025
winter semester 2024/2025

| Department | VAK | Title | Type | SWS | Teachers | Degree |
|-----------------------------|------------|--|-----------|-----|---|---------------------|
| Department of Neurosciences | 6.03.753 | Animal Handling Course (Oct 2024) | Exercises | - | Dr. rer. nat. Simeon Helgers | |
| Department of Neurosciences | 6.03.350 | Biological Foundations of Neuroscience | Lecture | - | Prof. Dr. Martin Greschner Christoph Jüscke Dr. Patrick Dömer | Master |
| Department of Neurosciences | 6.03.011 | Abteilungsseminar: Auditory Neuroscience | Seminar | - | Prof. Dr. Jan Clemens Dr. Ulrike Langemann | Bachelor Master |
| Department of Neurosciences | 6.03.605 | Ophthalmology – Molecular and cellular mechanisms in regenerative Medicine - Project 1 | Seminar | - | PD Dr. Sonja Mertsch | Master |
| Department of Neurosciences | 6.03.752_C | Laboratory Animal Science, Fish (Oct 2024) | Exercises | - | Prof. Dr. Karin Dedek Prof. Dr. Arne Nolte Prof. Dr. Michael Winklhofer Dr. rer. nat. Simeon Helgers | Promotion Master |
| Department of Neurosciences | 6.03.690 | Computational Audition - Statistical data analysis | Seminar | - | Priv.-Doz. Dr. Jörn Anemüller | Master |
| Department of Neurosciences | 6.03.211 | Neuroethology | Lecture | 2 | Prof. Dr. Henrik Mouritsen Prof. Dr. Jörg Albert | Master |

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| | | | | | Prof. Dr. Jan Clemens | |
| Department of Neurosciences | 6.03.242 | Computational Neuroscience - Encoding and Decoding | Lecture | - | Prof. Dr. Martin Greschner Prof. Dr. Jan Clemens Melanie Stenger Dawn J Tan | Master |
| Department of Neurosciences | 6.03.635 | Computational Neuroscience: Invertebrate somatosensory system | Seminar | - | Prof. Dr. Jutta Kretzberg Ihor Arkhynchuk | Master |
| Department of Neurosciences | 6.03.617 | Human Genetics - Transcriptome and Exome analyses in neuronal and neurosensory diseases | Seminar | - | Christoph Jüscke Prof. Dr. John Neidhardt | Master |
| Department of Neurosciences | 6.03.692 | Neurocognitive Psychology | Seminar | - | Prof. Dr. Stefan Debener, Dipl.-Psych. Dr. rer. nat. Carsten Gießing Prof. Dr.-Ing. habil. Christoph Siegfried Herrmann, Dipl.-Ing. Prof. Dr. Andrea Hildebrandt Dr. Jale Nur Özyurt Dr. rer. nat. Sebastian Puschmann Prof. Dr. Jochem Rieger PD Dr. Peter Sörös Prof. Dr. Christiane Margarete Thiel | Master |

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| Department of Neurosciences | 6.03.006 a | Arbeitsgruppenseminar: Biochemie der Signaltransduktion -Praxismodul | Practical training | - | Prof. Dr. Karl-Wilhelm Koch, Dipl.-Chem. Dr. Alexander Scholten | Bachelor |
| Department of Neurosciences | 6.03.662 | Neurogenetics - Analysis of mouse models for deafness | Seminar | - | Dr. rer. nat. Maike Claußen | Master |
| Department of Neurosciences | 6.03.614 | Human Genetics - Developing therapies to treat splice defect | Seminar | - | Christoph Jüscke | Master |
| Department of Neurosciences | 6.03.627 | Sensory Physiology and Behaviour of Orb-Weaver Spiders | Seminar | - | Prof. Dr. Jörg Albert | Master |
| Department of Neurosciences | 6.03.615 | Human Genetics - Mutation identification, pathogenic mechanisms and therapy development | Seminar | - | Prof. Dr. John Neidhardt | Master |
| Department of Neurosciences | 6.03.670 | Visual Neuroscience - Computational analysis of retinal population responses | Seminar | - | Dr. rer. nat. Malte Ahlers Prof. Dr. Martin Greschner | Master |
| Department of Neurosciences | 6.03.655 | Physiology: Synaptic interactions | Seminar | - | Prof. Dr. Ivan Milenkovic | Master |
| Department of Neurosciences | 6.03.629 | Auditory Neuroscience - Computational modeling and calcium imaging | Seminar | - | Prof. Dr. Jan Clemens Dr. Ulrike Langemann | Master |

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| Department of Neurosciences | 6.03.820 | Journal Club: Regenerative Medicine | Seminar | 2 | PD Dr. Sonja Mertsch | Master |
| Department of Neurosciences | 6.03.715 | Neuroscientific Data Analysis in Python - Lecture | Lecture | - | Prof. Dr. Jan Clemens Melanie Stenger Dawn J Tan | Master |
| Department of Neurosciences | 6.03.006 | Arbeitsgruppenseminar: Biochemie der Signaltransduktion | Seminar | 2 | Prof. Dr. Karl-Wilhelm Koch, Dipl.-Chem. Dr. Alexander Scholten | Bachelor Master |
| Department of Neurosciences | 6.03.671 | Visual Neuroscience - Visual Neuroscience - Retinal physiology | Seminar | - | Dr. rer. nat. Malte Ahlers Prof. Dr. Martin Greschner | Master |
| Department of Neurosciences | 6.03.620 | Animal Physiology & Behaviour: Auditory perception studies | Seminar | - | Prof. Dr. Georg Martin Klump Dr. Katja Bleckmann | Master |
| Department of Neurosciences | 6.03.751 | Laboratory Animal Science, Theory (Oct 2024) | Exercises | - | Prof. Dr. Christine Köppl Dr. rer. nat. Simeon Helgers | Promotion Master |
| Department of Neurosciences | 6.03.002 | Introductory course Neurobiology | Lecture | - | Prof. Dr. Martin Greschner Dr. Patrick Dömer | |

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| Department of Neurosciences | 6.03.641 | Cochlea and auditory brainstem physiology: Developmental Neurobiology and Evolution | Seminar | - | Dr. Ulrike Sienknecht | Master |
| Department of Neurosciences | 6.03.756 | Animal Handling Course (Feb 2025) | Exercises | - | Dr. rer. nat. Simeon Helgers | |
| Department of Neurosciences | 6.03.755_A | Laboratory Animal Science, Rodent (Feb 2025) | Exercises | - | Prof. Dr. Karin Dedek Dr. Ulrike Langemann Dr. rer. nat. Simeon Helgers | Promotion Master |
| Department of Neurosciences | 6.03.616 | Human Genetics - Severe diseases of the cilium: signal transduction and treatment options | Seminar | - | Christoph Jüscke Prof. Dr. John Neidhardt | Master |
| Department of Neurosciences | 6.03.755_B | Laboratory Animal Science, Bird (Feb 2025) | Exercises | - | Dr. Dominik Heyers Prof. Dr. Heiko Schmaljohann Dr. rer. nat. Simeon Helgers | Promotion Master |
| Department of Neurosciences | 6.03.697 | External Research Project | Seminar | - | Lehrende der Neuroscience Prof. Dr. Jutta Kretzberg | Master |
| Department of Neurosciences | 6.03.621 | Animal Physiology & Behaviour: Modeling the auditory system | Seminar | - | Dr. Rainer Beutelmann | Master |
| Department of Neurosciences | 6.03.661 | Neurogenetics - Evolution of | Seminar | - | Dr. rer. nat. Maike Claußen | Master |

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| | | the auditory system | | | | |
| Department of Neurosciences | 6.03.626 | Sensory Biology of Peripheral Circadian Clocks: a transcriptomic analysis of the Drosophila auditory system (Research Module) | Seminar | - | Prof. Dr. Jörg Albert Dr. Rainer Beutelmann | Master |
| Department of Neurosciences | 6.03.755 _C | Laboratory Animal Science, Fish (Feb 2025) | Exercises | - | Prof. Dr. Karin Dedek Prof. Dr. Arne Nolte Prof. Dr. Michael Winklhofer Dr. rer. nat. Simeon Helgers | Promotion Master |
| Department of Neurosciences | 6.03.003 | Introductory Course Lab Techniques | Lecture | - | Prof. Dr. Arne Nolte Dr. Lena Dübbel Priv.-Doz. Dr. Claudia Geismann | Master |
| Department of Neurosciences | 6.03.716 | Neuroscientific Data Analysis in Python - Exercises | Exercises | - | Prof. Dr. Jan Clemens Melanie Stenger Dawn J Tan | Master |
| Department of Neurosciences | 6.03.792 | Communicating Neuroscience | Seminar | - | Prof. Dr. Jutta Kretzberg Prof. Dr. Jörg Albert | Master |
| Department of Neurosciences | 6.03.212 | Behavioural Ecology | Lecture | 2 | Dr. Ulrike Langemann Prof. Dr. Jörg Albert | Master |

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| | | | | | Prof. Dr. Jan Clemens | |
| Department of Neurosciences | 6.03.676 | RM_Visual Neuroscience - Molecular and cellular basis of regeneration in the peripheral nervous system | Seminar | - | Dr. Patrick Dömer | Master |
| Department of Neurosciences | 6.03.782 | Biological data analysis with Python | Lecture | - | Prof. Dr. Michael Winklhofer | Master |
| Department of Neurosciences | 6.03.636 | Computational Neuroscience: Modeling & data analysis | Seminar | - | Dr. Go Ashida Prof. Dr. Jutta Kretzberg | Master |
| Department of Neurosciences | 6.03.622 | Animal Physiology & Behaviour: Auditory processing mechanisms | Seminar | - | Prof. Dr. Georg Martin Klump Dr. Katja Bleckmann | Master |
| Department of Neurosciences | 6.03.640 | Cochlea and auditory brainstem physiology: Evolutionary Auditory Neuroscience | Seminar | - | Prof. Dr. Christine Köppl | Master |
| Department of Neurosciences | 6.03.752_A | Laboratory Animal Science, Rodent (Oct 2024) | Exercises | - | Dr. Ulrike Langemann Prof. Dr. Karin Dedek Dr. rer. nat. Simeon Helgers | Promotion Master |
| Department of Neurosciences | 6.03.646 | Animal Navigation - Magnetoreception in | Seminar | - | Dr. Pauline Fleischmann Prof. Dr. Jutta Kretzberg | Master |

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| | | Invertebrates | | | | |
| Department of Neurosciences | 6.03.213 | Current Topics in Ethology | Seminar | - | Dr. Ulrike Langemann | Master |
| Department of Neurosciences | 6.03.645 | Neural correlates of magnetoreception in migratory birds | Seminar | - | Dr. Dominik Heyers | Master |
| Department of Neurosciences | 6.03.665 | Auditory Perception - Physiology & Modeling | Seminar | - | Prof. Dr. Mathias Dietz | Master |
| Department of Neurosciences | 6.03.660 | Neurogenetics - Structure-function analyses of the potassium chloride cotransporter KCC2 | Seminar | - | PD Dr. Anna-Maria Hartmann | Master |
| Department of Neurosciences | 6.03.625 | Sensory Physiology and Behaviour (Research Module) | Seminar | - | Prof. Dr. Jörg Albert Dr. Chonglin Guan | Master |
| Department of Neurosciences | 6.03.628 | Auditory Neuroscience - Circuit manipulation and behavioral analyses | Seminar | - | Prof. Dr. Jan Clemens Dr. Ulrike Langemann | Master |
| Department of Neurosciences | 6.03.691 | Neurocognition and functional neurorehabilitation | Seminar | - | Dr. Cornelia Kranczioch-Debener | Master |
| Department of Neurosciences | 6.03.761 | Scientific English | Lecture | - | Prof. Dr. Jörg Albert Rico Bartels | Master |

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| Department of Neurosciences | 6.03.680 | Neurosensorics - Vertebrate retina: Immunohistochemistry, intracellular dye injections, microscopy and image analysis | Seminar | - | Prof. Dr. Karin Dedek | Master |
| Department of Neurosciences | 6.03.685 | Anatomy - Molecular and cellular mechanisms of neuronal differentiation | Seminar | - | Dr. rer. nat. Nicola Brandt Prof. Dr. Anja Bräuer | Master |
| Department of Neurosciences | 6.03.754 | Laboratory Animal Science, Theory (Feb 2025) | Exercises | - | Dr. rer. nat. Simeon Helgers | Promotion Master |
| Department of Neurosciences | 6.03.698 | External Research Project | Seminar | - | Lehrende der Neuroscience | Master |
| Department of Neurosciences | 6.03.246 | Computational Neuroscience - Biophysical Modeling | Lecture | - | Prof. Dr. Jutta Kretzberg Dr. Go Ashida Daniela Antonia Schwarz | Master |