

**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<br>Christoph Jüscke<br>Dr. Patrick Dömer   | Master              |
| Department of Neurosciences | 6.03.011   | Abteilungsseminar: Auditory Neuroscience   | Seminar   | -   | Prof. Dr. Jan Clemens<br>Dr. Ulrike Langemann   | Bachelor<br>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<br>Prof. Dr. Arne Nolte<br>Prof. Dr. Michael Winklhofer<br>Dr. rer. nat. Simeon Helgers | Promotion<br>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<br>Prof. Dr. Jörg Albert   | Master              |

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

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

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

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

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

|                             |          |  |           |   |   |                     |
|-----------------------------|----------|--|-----------|---|---|---------------------|
| 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<br>Melanie Stenger<br>Dawn J Tan                | Master              |
| Department of Neurosciences | 6.03.006 | Arbeitsgruppenseminar: Biochemie der Signaltransduktion              | Seminar   | 2 | Prof. Dr. Karl-Wilhelm Koch,<br>Dipl.-Chem.<br>Dr. Alexander Scholten | Bachelor<br>Master  |
| Department of Neurosciences | 6.03.671 | Visual Neuroscience -<br>Visual Neuroscience -<br>Retinal physiology | Seminar   | - | Dr. rer. nat. Malte Ahlers<br>Prof. Dr. Martin Greschner              | Master              |
| Department of Neurosciences | 6.03.620 | Animal Physiology &<br>Behaviour: Auditory<br>perception studies     | Seminar   | - | Prof. Dr. Georg Martin<br>Klump<br>Dr. Katja Bleckmann                | Master              |
| Department of Neurosciences | 6.03.751 | Laboratory Animal Science,<br>Theory (Oct 2024)                      | Exercises | - | Prof. Dr. Christine Köppl<br>Dr. rer. nat. Simeon Helgers             | Promotion<br>Master |
| Department of Neurosciences | 6.03.002 | Introductory course<br>Neurobiology                                  | Lecture   | - | Prof. Dr. Martin Greschner<br>Dr. Patrick Dömer                       |                     |

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

|                             |          |   |           |   |  |        |
|-----------------------------|----------|---|-----------|---|--|--------|
| Department of Neurosciences | 6.03.641 | Cochlea and auditory brainstem physiology: Developmental Neurobiology and Evolution   | Seminar   | - | Dr. Ulrike Sienknecht                                  | Master |
| Department of Neurosciences | 6.03.616 | Human Genetics - Severe diseases of the cilium: signal transduction and treatment options                                     | Seminar   | - | Christoph Jüscke<br>Prof. Dr. John Neidhardt           | Master |
| Department of Neurosciences | 6.03.697 | External Research Project   | Seminar   | - | Lehrende der Neuroscience<br>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 the auditory system  | Seminar   | - | Dr. rer. nat. Maike Claußen                            | Master |
| 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<br>Dr. Rainer Beutelmann         | Master |
| Department of Neurosciences | 6.03.716 | Neuroscientific Data Analysis in Python - Exercises   | Exercises | - | Prof. Dr. Jan Clemens<br>Melanie Stenger<br>Dawn J Tan | Master |
| Department of Neurosciences | 6.03.792 | Communicating   | Seminar   | - | Prof. Dr. Jutta Kretzberg                              | Master |

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

|                             |          |   |         |   |  |        |
|-----------------------------|----------|---|---------|---|--|--------|
|                             |          | Neuroscience  |         |   | Prof. Dr. Jörg Albert  |        |
| Department of Neurosciences | 6.03.212 | Behavioural Ecology   | Lecture | 2 | Dr. Ulrike Langemann<br>Prof. Dr. Jörg Albert<br>Prof. Dr. Jan Clemens                                       | Master |
| Department of Neurosciences | 6.03.676 | RM_Visual Neuroscience -<br>Molecular and cellular basis<br>of regeneration in the<br>peripheral nervous system | Seminar | - | Dr. Patrick Dömer  | Master |
| Department of Neurosciences | 6.03.782 | Biological data analysis with<br>Python   | Lecture | - | Prof. Dr. Michael Winklhofer   | Master |
| Department of Neurosciences | 6.03.003 | Introductory Course Lab<br>Techniques   | Lecture | - | Prof. Dr. Arne Nolte<br>Dr. Lena Dübbel<br>Dr. rer. nat. Anna Göken-<br>Riebisch<br>Dr. Sabeth Leonie Becker | Master |
| Department of Neurosciences | 6.03.636 | Computational<br>Neuroscience: Modeling &<br>data analysis  | Seminar | - | Dr. Go Ashida<br>Prof. Dr. Jutta Kretzberg   | Master |
| Department of Neurosciences | 6.03.622 | Animal Physiology &<br>Behaviour: Auditory<br>processing mechanisms   | Seminar | - | Prof. Dr. Georg Martin<br>Klump<br>Dr. Katja Bleckmann   | Master |

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

|                             |            |  |           |   |   |                     |
|-----------------------------|------------|--|-----------|---|---|---------------------|
| 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<br>Prof. Dr. Karin Dedek<br>Dr. rer. nat. Simeon Helgers | Promotion<br>Master |
| Department of Neurosciences | 6.03.646   | Animal Navigation - Magnetoreception in Invertebrates                                    | Seminar   | - | Dr. Pauline Fleischmann<br>Prof. Dr. Jutta Kretzberg                          | Master              |
| 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<br>Dr. Chonglin Guan                                    | Master              |

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

|                             |          |   |         |   |   |        |
|-----------------------------|----------|---|---------|---|---|--------|
| Department of Neurosciences | 6.03.628 | Auditory Neuroscience - Circuit manipulation and behavioral analyses  | Seminar | - | Prof. Dr. Jan Clemens<br>Dr. Ulrike Langemann                         | Master |
| Department of Neurosciences | 6.03.691 | Neurocognition and functional neurorehabilitation   | Seminar | - | Dr. Cornelia Kranczioch-Debener                                       | Master |
| Department of Neurosciences | 6.03.680 | 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<br>Prof. Dr. Anja Bräuer                  | Master |
| Department of Neurosciences | 6.03.698 | External Research Project   | Seminar | - | Lehrende der Neuroscience   | Master |
| Department of Neurosciences | 6.03.761 | Scientific English  | Lecture | - | Prof. Dr. Jörg Albert<br>M. Sc. Stephanie Franziska Voß               | Master |
| Department of Neurosciences | 6.03.246 | Computational Neuroscience - Biophysical Modeling   | Lecture | - | Prof. Dr. Jutta Kretzberg<br>Dr. Go Ashida<br>Daniela Antonia Schwarz | Master |



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

---