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Research Master of Neurocognitive Psychology • University of Oldenburg • Oldenburg,....................... 2
## Master's degree

### Research Master of Neurocognitive Psychology

**University of Oldenburg • Oldenburg**

### Overview

<table>
<thead>
<tr>
<th>Degree</th>
<th>Master of Science in Neurocognitive Psychology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching language</td>
<td>English</td>
</tr>
<tr>
<td>Languages</td>
<td>All modules are taught in English. For the two courses from</td>
</tr>
<tr>
<td></td>
<td>the elective modules that are partly taught in German,</td>
</tr>
<tr>
<td></td>
<td>English study material is provided.</td>
</tr>
<tr>
<td>Programme duration</td>
<td>4 semesters</td>
</tr>
<tr>
<td>Beginning</td>
<td>Winter semester</td>
</tr>
<tr>
<td>More information on</td>
<td>Start international orientation week: first week of October</td>
</tr>
<tr>
<td>beginning of studies</td>
<td>start general orientation week: second week of October</td>
</tr>
<tr>
<td></td>
<td>start lectures: third week of October</td>
</tr>
<tr>
<td>Application deadline</td>
<td><strong>International applicants:</strong> Applications via uni-assist</td>
</tr>
<tr>
<td></td>
<td>open on 1 May and close on 15 July. However, we strongly</td>
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<tr>
<td></td>
<td>recommend that you submit your documents by 15 June to</td>
</tr>
<tr>
<td></td>
<td>ensure that the university receives your documents from</td>
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<tr>
<td></td>
<td>uni-assist in time for the selection procedure.</td>
</tr>
<tr>
<td></td>
<td><strong>Applicants with a German Bachelor’s degree:</strong> Applications</td>
</tr>
<tr>
<td></td>
<td>via the university open on 1 June and close on 15 July.</td>
</tr>
<tr>
<td>Tuition fees per semester in EUR</td>
<td>None</td>
</tr>
<tr>
<td>Combined Master’s degree / PhD programme</td>
<td>No</td>
</tr>
<tr>
<td>Joint degree / double degree programme</td>
<td>No</td>
</tr>
<tr>
<td>Description/content</td>
<td>The Research Master Neurocognitive Psychology is a research-oriented international graduate programme, which offers systematic coverage of the major fields in psychology as well as in-depth training in cognitive neuroscience and neuropsychology. Our programme, however, does not focus on clinical psychology.</td>
</tr>
</tbody>
</table>
The programme takes two years to complete and is offered through the Department of Psychology. As a graduate student, you will be able to choose from a variety of research and/or applied modules. The department’s research spans cutting-edge topics such as multisensory integration, brain oscillations and behaviour, cortical plasticity, computational neuroscience, and pharmaco-neuroimaging, just to name a few. Different state-of-the-art neuroscience tools and psychology labs are available to gain hands-on experience in magnetic resonance imaging (fMRI), magnetoencephalography (MEG), high-density (mobile) electroencephalography (EEG), eye tracking, transcranial magnetic and electrical stimulation (TBS), and psychophysics. Practical experience is gained through our applied modules and during the internship which may be performed in hospitals/rehab centres, laboratories or companies.

We are part of the Network of European Neuroscience Schools (NENS).

**Why Neurocognitive Psychology?**

We offer a large variety of modules in the area of neuropsychology and cognitive neuroscience (see details under Course Details), in which students gain the following competencies/skills: expert neuropsychological/neurophysiological knowledge, interdisciplinary knowledge & thinking, experimental neuropsychological/neuroscientific methods, statistics & scientific programming, data presentation & discussion, independent research, scientific literature, scientific English / writing, ethical evaluation / good scientific practice / professional behaviour, critical & analytical thinking, scientific communication skills, knowledge transfer, group work, project & time management.

Furthermore, we also offer many additions to the regular curriculum:

- academic writing to support you with your Master’s thesis
- a LaTeX programming course in which you can learn how to write a Master’s thesis with a professional layout
- an active student body
- hands-on research and the opportunity to find a student job in the labs of the department
- ERASMUS+ partnerships for studying abroad with a number of renowned European universities
- membership in the Network of European Neuroscience Schools (NENS) with lots of advantages for students: mobility grants for internships in other labs, travel grants to conferences, slots in neuroscience courses, and schools, etc.

**Career perspectives**

The programme prepares students for a career in research or for an employment in applied settings (such as hospitals or industry). Several of the research based modules prepare students in depth for entering a PhD programme in the area of cognitive neuroscience. The applied modules additionally guarantee a basic training in the area of clinical neuropsychology and human computer interaction.

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**Course Details**

**Course organisation**

The programme is designed in a modular fashion. The number of mandatory modules decreases towards the end of the programme, offering increased flexibility to students. The course lasts for two years or four semesters, during which a total of 120 credit points (CP) must be achieved.

The “general” portion of the course contains five mandatory modules, including MATLAB, statistics, diagnostics and assessment, and scientific communication. The Minor module allows you to broaden your view and take courses from fields related to psychology.

The “specialised” portion offers several different modules from which students may choose according to their interests (requiring 24 CP).

The practical part of the programme includes 12 CP for a mandatory internship (lasting 360 hours) which can be carried out in (clinical) institutions, companies, or research groups that employ psychologists. Another 9 CP must be acquired via the practical project module, where you will gain hands-on research experience in one of the psychology labs at the University of Oldenburg. 30 CP
are allocated for completing a Master’s thesis with an accompanying Master’s colloquium.

**General part (mandatory): 45 CP**

- Research methods
- Psychological Assessment and Diagnostics
- Communication of scientific results
- Minor
- Computation in Neuroscience

**Specialised part (taking a methods module is strongly recommended): 24 CP**

- Clinical Psychology
- Neurophysiology
- Neurocognition
- Sex and Cognition
- Neuropsychology
- Applied Cognitive Psychology
- Human Computer Interaction
- Neuromodulation of Cognition
- Functional MRI Data Analysis
- Transcranial Brain Stimulation

**Practical part (mandatory, choose 1 practical project): 51 CP**

- Internship or lab visit
- Practical project (choose from: Applied Neurocognitive Psychology, Psychological Methods and Statistics, Experimental Psychology, Neuropsychology, Biological Psychology)
- Master’s thesis & Master’s colloquium 30 CP

**Total: 120 CP**

Knowledge of either EEG, fMRI, or TBS data analysis or HCI is essential for most practical projects and Master’s theses offered in the Department of Psychology. Therefore, we strongly advise to attend at least one of the modules:

- psy170: Neurophysiology
- psy220: Human Computer Interaction
- psy270: Functional MRI Data Analysis
- psy280: Transcranial Brain Stimulation

Working with patients or experimental data acquisition with participants generally require a good command of German! You can take German courses as your minor. The university offers free language courses during the semester and during the semester breaks (intensive courses).

**PDF Download**

<table>
<thead>
<tr>
<th>Types of assessment</th>
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<tbody>
<tr>
<td>• Written exams</td>
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<tr>
<td>• oral exams</td>
</tr>
<tr>
<td>• presentations</td>
</tr>
<tr>
<td>• written reports</td>
</tr>
<tr>
<td>• practical exercises (psychological testing and programming)</td>
</tr>
<tr>
<td>• practical laboratory work</td>
</tr>
<tr>
<td>• scientific poster presentations</td>
</tr>
<tr>
<td>• scientific papers (Master’s thesis)</td>
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</tbody>
</table>

| A Diploma supplement will be issued | Yes |

<table>
<thead>
<tr>
<th>International elements</th>
</tr>
</thead>
<tbody>
<tr>
<td>• International guest lecturers</td>
</tr>
<tr>
<td>• Specialist literature in other languages</td>
</tr>
<tr>
<td>• Language training provided</td>
</tr>
<tr>
<td>• Projects with partners in Germany and abroad</td>
</tr>
<tr>
<td>• International comparisons and thematic reference to the international context</td>
</tr>
</tbody>
</table>
### Integrated internships

The programme includes a mandatory internship (lasting 360 hours). It may be split in two shorter internships.

The internship can take place at public institutions, clinics, hospitals, administrative bodies, private firms or companies, consultancy and advisory services, associations, academic institutions, or other organisations with relevant activities in the field of psychology. It can take place in Germany or abroad. We encourage research internships.

Several cooperating institutions in the Oldenburg area, which work in area of clinical neuropsychology, accept applications for internships from students enrolled in the programme "Neurocognitive Psychology".

<table>
<thead>
<tr>
<th>Course-specific, integrated German language courses</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course-specific, integrated English language courses</td>
<td>Yes</td>
</tr>
<tr>
<td>The course of study can be taken entirely online</td>
<td>No</td>
</tr>
<tr>
<td>Digital learning and teaching modules</td>
<td>Stud.IP courseware</td>
</tr>
<tr>
<td>Description of e-learning elements</td>
<td>Matlab for scientists: a beginners' course basics in statistics</td>
</tr>
<tr>
<td>Participation in the e-learning course elements is compulsory</td>
<td>No</td>
</tr>
<tr>
<td>Can ECTS points be acquired by taking the online programmes?</td>
<td>No</td>
</tr>
<tr>
<td>Can the e-learning elements be taken without signing up for the course of study?</td>
<td>No</td>
</tr>
</tbody>
</table>

### Costs / Funding

<table>
<thead>
<tr>
<th>Tuition fees per semester in EUR</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester contribution</td>
<td>Approx. 400 EUR per semester</td>
</tr>
<tr>
<td>Costs of living</td>
<td>You should expect to spend about 800 EUR per month to cover personal expenses (accommodation, health insurance, food, etc.).</td>
</tr>
<tr>
<td>Funding opportunities within the university</td>
<td>Yes</td>
</tr>
<tr>
<td>Description of the above-</td>
<td>Check funding opportunities here: <a href="https://uol.de/p15263en">https://uol.de/p15263en</a></td>
</tr>
</tbody>
</table>
We offer a 400 EUR individual mobility allowance to attend a conference, summer school, or to do your (research) internship (abroad).

Requirements / Registration

**Academic admission requirements**

Applicants are eligible for admission if they have completed a Bachelor's degree of at least 180 ECTS credits in the fields of psychology, cognitive science, or in a related field with the emphasis of study on psychology and/or cognitive sciences. At least 90 credit points must have been obtained in the area of psychology and/or cognitive sciences. Alternatively, students with a Bachelor's degree from other relevant fields (natural sciences, mathematics, informatics, audiology, or medicine) may apply. All applicants must prove the following:

- 5 credit points (150 hours) in statistics,
- 5 credit points (150 hours) in experimental psychological or neuroscientific work (e.g., research internship, Bachelor's thesis)
- 6 credit points (180 hours) in general/cognitive psychology, and
- 5 credit points (150 hours) in biological psychology/neurosciences

Students may have to catch up on missing competencies in additional modules (max. up to 6 credits). The completion of the experimental work needs to be proven upon application.

Students will be admitted based on a ranking order. The admissions committee will evaluate the applicant based on the documents presented. The degree of eligibility depends upon the sum of the points from categories A and B. The maximum number of points is 7.

**Category A:**

Grade average of qualified Bachelor's degree

- 1.00-1.50: 4.0 points
- 1.51-2.00: 3.0 points
- 2.01-2.50: 2.0 points
- 2.51-3.00: 1.0 point

For conversion of marks from abroad, see: https://www.uni-oldenburg.de/en/students/recognition/conversion-foreign-grades/

**Category B:**

Further points can be obtained through additional qualifications. Please include all relevant documents in your application, especially information on internships and project work. These are evaluated by the admissions committee using the criteria outlined below:

- at least three months of proven work experience or relevant scientific activities, e.g., as a student assistant or a Bachelor's thesis concerning neuropsychology, neurology, neurocognitive psychiatry, or cognitive and neurosciences (0.75 points for each activity, max. 1.5 points)
- documented scientific/academic publications/awards/distinctions (0.5 points)
- proven stay abroad relevant to the study of at least four months (0.5 points)
- at least six months of continuous proven, voluntary social involvement (e.g., committee work, year of voluntary social work - "freiwilliges soziales Jahr") (0.5 points)

**Documents to be included in the application:**

The following documents must be enclosed with the application in German or English. (Documents in other languages will need to be accompanied by certified translations):

- Bachelor's degree and transcript of records (certified for applications via the university)
- proof of the number of semesters studied thus far (for applications via the university)
- completed specific eligibility form (to be found on course website and in application portal)
- proof of mastery of English (see language requirements)
- if applicable,
We do not ask for letters of recommendation or letters of motivation!

You can find a self-assessment test to test your suitability for our programme on our course website.

Language requirements

Applicants whose mother tongue is not English must produce a proof of English proficiency. English proficiency can be proven by a Bachelor’s degree with English as the language of instruction completed in a country with English or German as official language. Otherwise a certified proof of English language skills at a B2 level is needed (not older than two years). A test from a language centre of a German university is accepted.

Further details on the English language requirements (including a reference table for the different tests) can be found on the university’s website.

Knowledge of German is not necessary for admission.

Application deadline

International applicants:
Applications via uni-assist open on 1 May and close on 15 July. However, we strongly recommend that you submit your documents by 15 June to ensure that the university receives your documents from uni-assist in time for the selection procedure.

Applicants with a German Bachelor’s degree:
Applications via the university open on 1 June and close on 15 July.

Submit application to

International applicants (holders of a Bachelor’s degree that was NOT issued in Germany):
www.uni-assist.de

Holders of a German Bachelor’s degree: application via the university

Services

Possibility of finding part-time employment
We offer many student jobs in the Department of Psychology. These jobs are usually offered (once the students have studied here for a few months) in the areas of tutorials and lab work.

Accommodation
The student union (Studentenwerk) owns and runs several different student accommodation buildings around the city. Although student rooms in Germany are typically rented unfurnished, the Studentenwerk also provides furnished rooms for international students at affordable rates. They also help with finding private accommodation for international students.

The Hermann-Ehlers-House is another possibility to check. Here it is sometimes easier to find accommodation on short notice.

There are also several ways to find private accommodation including:

- local newspapers, e.g. the NWZ
- Websites like www.wg-gesucht.de, where apartment listings can be narrowed down by desired criteria, such as number of flatmates or facilities available
- The "Schwarzes Brett" (blackboard) on Stud.IP and several boards in the student canteen / Mensa building on campus (if you are still looking once you arrive in Oldenburg)
Brittni Devlin
BSc in Psychology

„As a student from the U.S., I feel that this is the perfect programme for international students! The neurocognitive psychology programme is entirely in English, and the faculty members do everything they can to ensure that foreign students transition well! With an active student body and a lot of research opportunities, I am having a great learning experience without ever getting homesick!“
The Carl von Ossietzky University of Oldenburg was founded in 1973, making it one of Germany’s young universities. Its goal is to find answers to the major challenges society faces in the 21st century – through interdisciplinary, cutting-edge research and first-rate teaching. The University of Oldenburg is composed of six departments subdivided into 26 institutes that offer 71 full-time and part-time study programmes for degrees at various levels to about 15,200 students. Study programmes include the humanities, social sciences, economics, law, natural sciences, medicine, and information technologies. Two of these are unique European study programmes offered jointly with the University of Groningen through the Hanse Law School and the new European Medical School. The latter was established in 2011 and has led to the creation of a sixth department, the School of Medicine and Health Sciences, of which the Department of Psychology is a part.

The development of the excellent research performance of Oldenburg has started to attract the Max-Planck, Helmholtz, Leibniz and Fraunhofer Associations, which have established research groups and junior researcher groups in Oldenburg particularly in the last few years.

The University of Oldenburg is a centre of research with national and international appeal. All academic fields have developed concise criteria for excellence, organised according to quality, effectiveness, efficiency, and originality and in compliance with international standards. The university creates space for scientific networking within the university and beyond. Interdisciplinary and social responsibility are identity-forming hallmarks of research in Oldenburg. Scientific networking also leads to an efficient transfer of research results in the programmes.

The Department of Psychology in Oldenburg is probably among the best-equipped in the country. It offers access to state-of-the-art neuroimaging facilities such as an MEG system and a 3 Tesla MRI scanner. It also has access to three fNIRS setups, six high density EEG labs and several neuromodulation devices (TMS, TACS, TDCS). Scientists in Oldenburg also work with mobile EEG and mobile eye-tracking systems.

University location

Oldenburg regards itself as a modern city in a modern society. Interest in communication with people from all over the world is an important part of our identity. We also value being open towards newcomers who want to join our community. We appreciate internationalism and cultural diversity as an opportunity for us all.

Whether you want to enjoy Oldenburg as a tourist, come as a student, plan to open up a business, or come to stay - you are always welcome!

There are many reasons to come to Oldenburg. In contrast to many other cities in Germany, our population is actually on the steady increase. With its many creative and ambitious projects, initiatives, and businesses, Oldenburg has become established as the region’s motor for progress and development.

We believe knowledge is the key to success. The Carl von Ossietzky University of Oldenburg and the Jade University of Applied Sciences as well as dedicated electrical engineering, IT, and police training colleges evidence our strong position in the field of higher education.

The economic focus of the city is on the service sector and advanced technology, with special emphasis on the fields of sustainable energy generation and distribution. The regional IT sector is also renowned for its creativity and innovative power.

For further information, please visit the following website: http://www.oldenburg-tourist.de/EN/index.php.
Contact

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Department of Psychology

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psychology@uol.de
Course website: https://www.uol.de/en/neurocogpsy

https://www.facebook.com/NeurocognitivePsychologyOldenburg

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www.daad.de/international-programmes
www.daad.de/sommerkurse

Editor
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German Academic Exchange Service
Section K23 – Information on Studying in Germany
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D-53175 Bonn
www.daad.de

GATE-Germany
Consortium for International Higher Education Marketing
www.gate-germany.de

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