

Master Mind, Brain and Behavior

October 10, 2024

Filipp Schmidt

Study Coordinator



Intro

- Third year of our *Master's* program
- Out of **197 applications**, 27 students were accepted and until a few days ago **13 students enrolled in the program**
- VISA problems?

Preparation

- **Reminder**

- 1. Statistics**

Video Lecture: Philippe Rigollet (MIT), 2016: Statistics for Application

- 2. Psychological Research Methods**

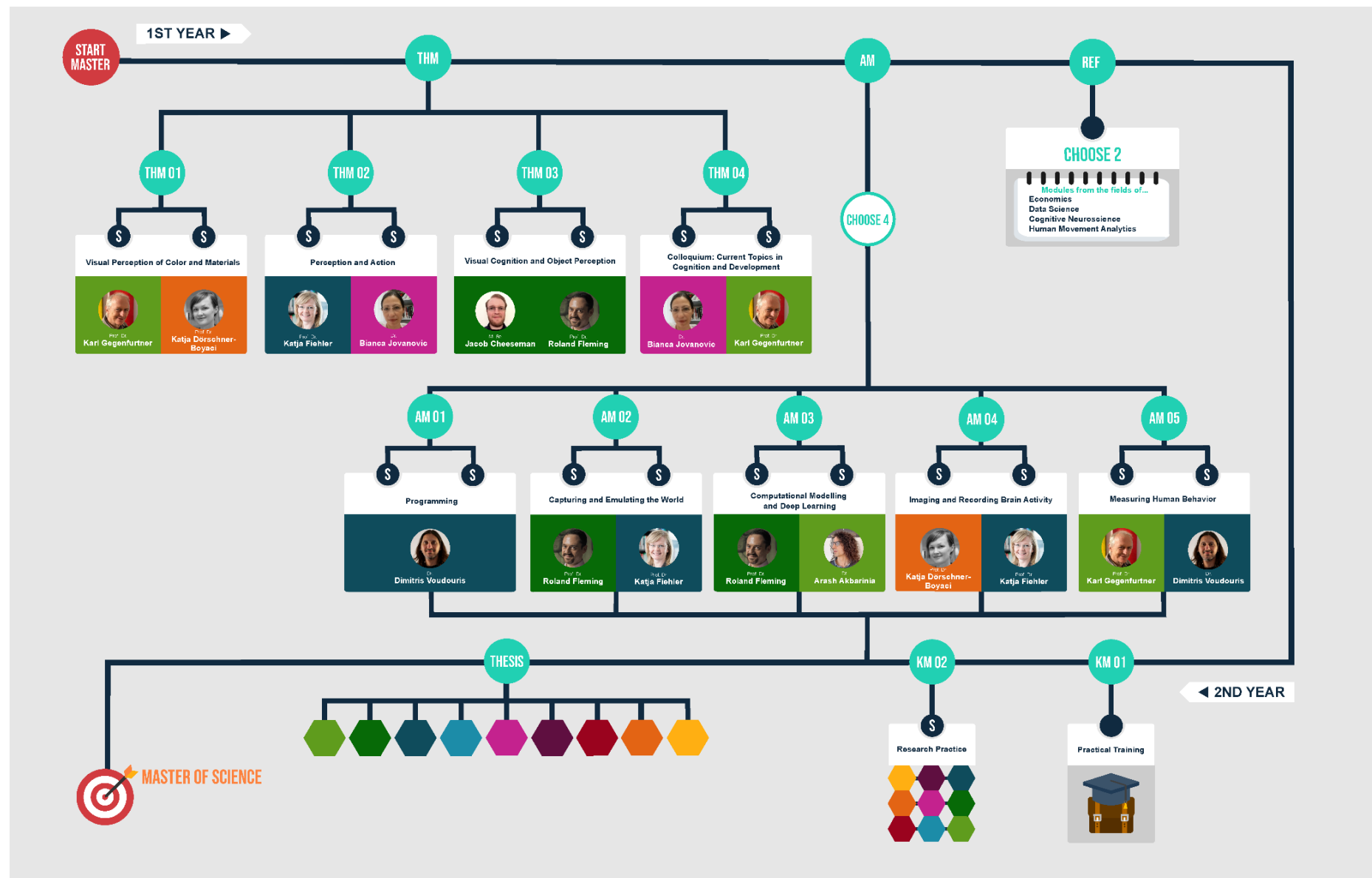
Video Lecture: John Scofield (University of Missouri), 2019: Research Methods in Psychology, *or*

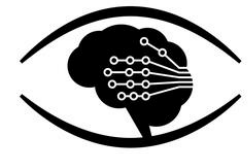
Book: Zhong-Lin Lu & Barbara Doshier, 2014: Visual Psychophysics: From Laboratory to Theory (The MIT Press)

- 3. Visual Perception**

Book: Brian Wandell (Stanford University), 1995, Foundations of Vision, *or*
Video Lecture (in German): Karl Gegenfurtner (JLU), 2021:
Wahrnehmungspsychologie,

Course of study





MASTER OF SCIENCE (M.SC.)

MIND, BRAIN AND BEHAVIOR

STUDY PLAN **1ST YEAR***

STUDY PLAN **2ND YEAR***

**MIGHT DIFFER DEPENDING ON YOUR INDIVIDUAL STUDY PROGRESS



WINTER 2024-25

UPDATED SEPT 03, 2024

TIME	MON	TUE	WED	THU	FRI
8 – 10 AM					
10 AM – 12 PM		THM-1 Dörschner- Boyaci Material perception			
12 – 2 PM	AM-3 Akbarinia Deep Learning	AM-2 Fleming Computer graphics	THM-3 Fleming Visual object perception	THM-4 Jovanovic Development of perception, cognition, and action	
2 – 4 PM	THM-2 Fiehler Space perception and action	AM-5 Voudouris Body movement analysis	THM-3 Hebart Visual cognition	THM-1 Gegenfurtner Color science: theory and practice	
4 – 6 PM		AM-1 Voudouris Programming S1		[KM-2 Research Practice]	
6 – 8 PM					

+ Elective course?

ALL COURSES: SEE STUDIP FOR CLASSROOMS

Registration

- You have to register for classes via the exam administration system FlexNow
 - “Deadline” October 11, 8 am
 - <https://www.uni-giessen.de/studium/waehrend/ecampus/flexnow/fristen>
 - Still possible within the next weeks
- You also have to register separately in FlexNow for the final exams (typically 4-8 weeks after the start of the semester)
- If you cannot register in FlexNow, please tell the examination office immediately (Ms. Robaniuk, beatrice.robaniuk@admin.uni-giessen.de)!

Registration

- Additionally, sign up for courses in Stud.IP for information about courses, study material and communication with the lecturer

→ Get in contact with Athina for any questions about registration

General regulations and plagiarism

- Attendance
 - You can skip 2 classes of a regular seminar, 1 class in exceptional cases
- Deadlines are non-negotiable
- If a lecturer finds you guilty of deception or plagiarism (including project work in applied modules, and ChatGPT), you will fail your exam which might extend the duration of your studies; if this happens twice you are expelled from the program



Elective modules

- 2 Elective modules with 6 CP each
- Official list of elective modules
- Currently: You can choose one of the applied modules as an elective module
- Other JLU modules can be chosen in consultation with the lecturer and me

- Note that you cannot freely switch elective modules, but have to complete a module once registered. Cancellation is not possible.

Elective modules

Title	Label	CP	Faculty
Applied Mathematics	06-MA-HMA-01	6	Faculty of Psychology and Sport Science (MSc Biomechanics - Motor Skill - Human Motion Analysis, BMB)
Biomechanics I	06-MA-HMA-02	6	
Computational Principles of Motor Control	06-HMA-MA-03	6	
Specific Data Analysis	06-MA-HMA-06	6	
Cognitive Neuroscience of Action	06-MA-HMA-08	6	

Title	Label	CP	Find
Scientific Programming and Data Analysis	07-BDS-18	6	Faculty of Mathematics and Computer Science, Physics, Geography
Quantitative Foundations of Artificial Intelligence	07-MDS-01	6	
Neuroinformatics I	07-BDS-WPF6	6	
Neuroinformatics II	07-BDS-WPF7	6	

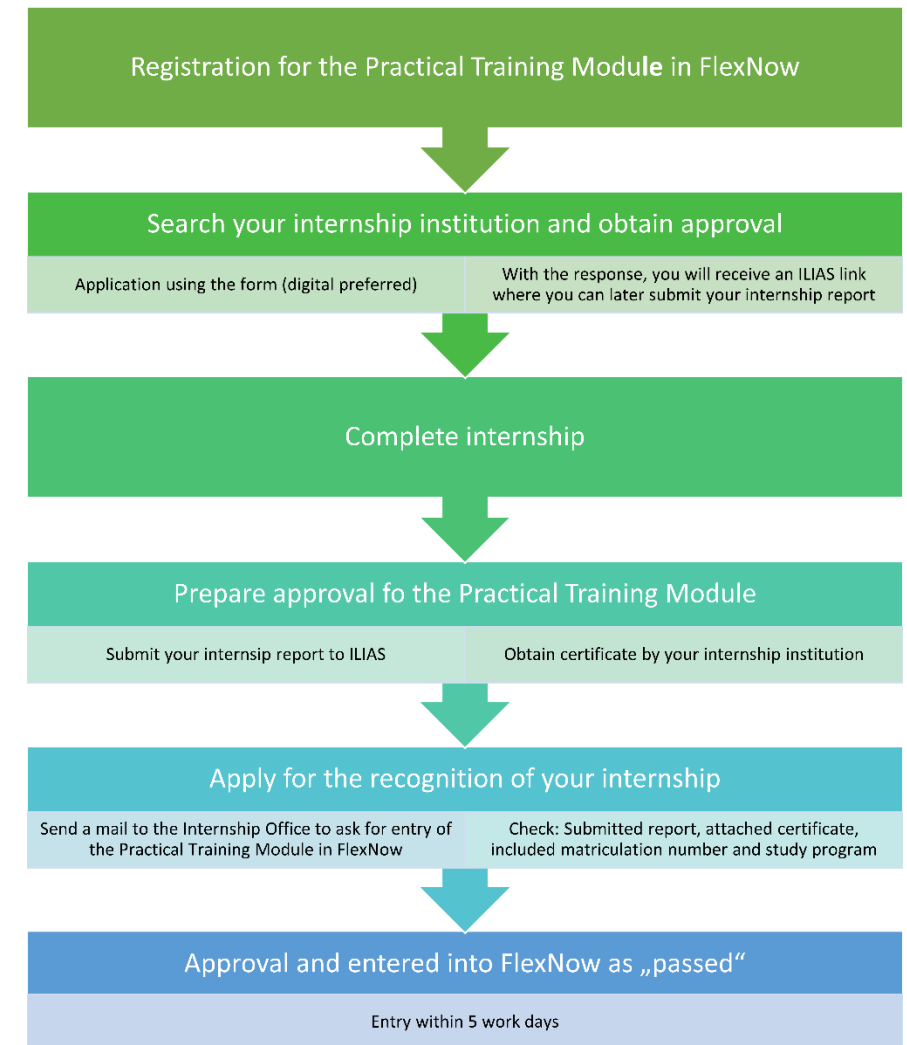
Elective modules

Title	Label	CP	Faculty
Marketing	02-BWL:BSc-B1-1	6	Faculty of Business Administration and Economics BWL I - Marketing and Sales Management
Customer Management	02-BWL:BSc-B1-3	6	
Sales Strategy and Execution	02-BWL:BSc-B1-4	6	
Leadership	02-BWL:BSc-B8-3	6	
Product Management	02-BWL:MSc-B1-1	6	
Creativity and Entrepreneurship	02-BWL:MSc-B10-2	6	Faculty of Business Administration and Economics BWL X - Innovations & Start-up Management
Technology and Innovation Management	02-BWL:BSc-B10-2	6	
Managing the Innovation Process	02-BWL:MSc-B10-1	6	
Entrepreneurial Mindset in different Contexts	02-BWL:MSc-B10-3	6	
Data-Driven Innovation	TBA	TBA	
Text Mining	02-BWL-MSc-B11-1	6	BWL XI - Data Science

Title	Label	CP	Faculty
Cognitive Neuroscience	PSY-MA-WPM-3	6	Faculty of Psychology and Sport Science

Practical Training/Internship

- 360 hours (9 weeks full-time) → period in-between lectures, cf. https://www.uni-giessen.de/en/study/termdates?set_language=en
- You are responsible for finding a position “related to Mind, Brain, and Behavior”
 - academia or industry, Germany or abroad
 - ask me for help if you have a specific interest, but don’t know where to turn to
- Get in contact before starting your internship
- Research assistant positions are eligible, previous internships might be eligible



Practical Training/Internship

- [DLR \(German Aerospace Center\)](#) : Florian Bayer, [Mail](#)
- [Mentalab](#) : Prof. Dr. Katja Fiehler, [Mail](#)
- [Meta](#) (please note that Meta typically only accepts PhD students as interns) :
Dr. Alexander Göttker, [Mail](#)
- [Schlenk](#) : Prof. Dr. Roland Fleming, [Mail](#)
- [SR Research](#) : Prof. Dr. Karl Gegenfurtner, [Mail](#)
- [Thomas Recording](#) : Dr. Stefan Dowiasch, [Mail](#)
- [VPixx](#) : Prof. Dr. Katja Fiehler, [Mail](#)


Master thesis


- Application for a Master thesis topic **already during next summer semester** (Module “Research practice” in the following winter)
- You can choose from topics in labs from Experimental Psychology and Developmental Psychology, but might also reach out to other departments/faculties (i.e. Data Science, Human Movement Analytics etc.)


Master thesis: Experimental Psychology

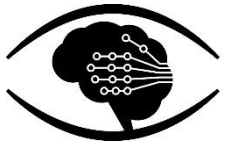


ASSOCIATED RESEARCHERS


Prof. Dr. **Daniel Kaiser**
• Neuroinformatics


Prof. Dr. **Bianca van Kemenade**
• Systems Neuroscience of Action and Perception


Prof. Dr. **Martin Hebart**
• Computational Cognitive Neuroscience and Quantitative Psychiatry



MSc Mind,
Brain and Behavior
MBB

Master thesis: Developmental Psychology



<https://www.uni-giessen.de/en/faculties/f06/psy/departments-1/ep/teaching>

Getting involved in research

- Watch out for student assistant positions (German language?)

<https://www.uni-giessen.de/fbz/fb06/psychologie/jobboerse>

<https://www.uni-giessen.de/de/ueber-uns/karriere/stellenangebote/studentische-hilfskraefte>

- Attend colloquia, workshops and lectures organized by researchers in Giessen and Marburg

https://www.uni-giessen.de/faculties/f06/psy/departments-1/generalpsychology/colloquium?set_language=en

<https://www.cmbb-fcmh.de/en/cmbb-info/neuro-colloquium/neuro-colloquium-for-young-scientist>

Getting involved in research

- Ask me for other research and networking opportunities for more specific interests (courses, travel grants etc.)
- For example, you will automatically be a member of the CMBB, a joint research network of the universities of Marburg, Giessen and Darmstadt
- For example, you can join the GGN, the Giessen Graduate Center for Natural Sciences and Psychology, via <https://www.uni-giessen.de/en/faculties/ggn/images-forms-contact-etc-hidden/forms-1/become-a-member>



- **EuRopean Action Scheme for the Mobility of University Students (ERASMUS)**
- Existing cooperations with universities abroad (e.g., USA, Australia, Canada)
- Advice
 - Dr. Kai Hamburger, https://www.uni-giessen.de/faculties/f06/psy/international-pages/erasmusteampsychology?set_language=en
 - Akademisches Auslandsamt, https://www.uni-giessen.de/international-pages/erasmus?set_language=en

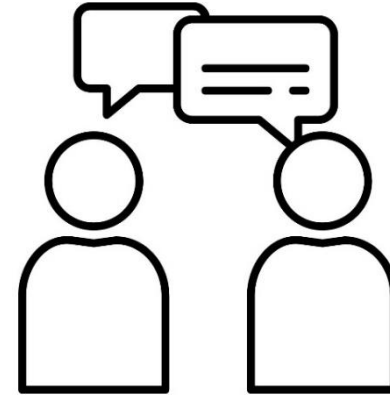
Additional information

- Free Microsoft Office student licenses
https://www.uni-giessen.de/en/faculties/svc/it/it-service-centre/services/softwarelicenses/ms365stud?set_language=en
- Student laptops and Matlab licenses (please get in contact!)
 - If necessary, student laptops can be borrowed from the department
 - Matlab student licenses can be bought and then reimbursed
- Tomorrow, October 11: International Office events
 - 10 am | An Overview of the Electronic Systems
 - 2 pm | Campus tour<https://wise.justus.digital/seite/international#schedule>

SUPPORT SERVICES FOR INTERNATIONAL STUDENTS AND DOCTORAL STUDENTS

The International Office gives advice on:

- visa and resident permits
- scholarships
- language courses
- working in Germany
- health insurance: public and private
- finding and changing accommodation
- social and individual issues

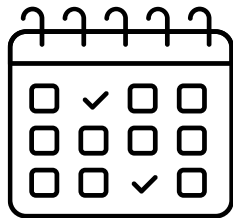


OPEN OFFICE HOURS

Mondays 10 am – 12 pm | rooms 20, 37 and 38
Fridays (for refugee students) 10 am – 12 pm | rooms 20 and 38

Goethestrasse 58
35390 Giessen

SUPPORT SERVICES FOR INTERNATIONAL STUDENTS AND DOCTORAL STUDENTS



The International Office organizes events and workshops:

- Orientation Week for International Students (OWIS)
- Information session for newly admitted students
- Online socializing events like JustInternational
- Workshops to improve study skills

**CHECK THE INTERNATIONAL
CALENDER ONLINE!**



SCAN ME

E-Mail:
studium-international
@uni-giessen.de

Any questions?

Slides will be available at

https://www.uni-giessen.de/de/fbz/fb06/psychologie/studium/ma_MBB

Quick survey: Who would have refrained from an application if asked to send in a 5-min recorded presentation with the application documents?

**I wish you all a good start in Giessen
and the very best
for the next two years in our Master's program
Mind, Brain and Behavior!**

