neu800 - Introduction to Matlab

Module label           Introduction to Matlab
Module code            neu800
Credit points          3.0 KP
Workload               90 h
(2 SWS Supervised exercise (UE) "Introduction to MATLAB" Total workload 90h: 28h contact / 62h
practising learned programming skills)

Used in course of study
- Master's Programme Biology > Skills Modules
- Master's Programme Neuroscience > Skills Modules

Contact person
Module responsibility
- Carsten Gießing

Authorized examiners
- Carsten Gießing

Entry requirements
Skills to be acquired in this module
++ Expt. Methods
+ Social skills
+ Interdiscipl. knowlg.
++ Maths/Stats/Progr.
+ Data present./disc.
+ Scientific English

Within this introductory course students will learn the basics of MATLAB programming. Participants
will be introduced in fundamental programming concepts.

Module contents
The modul comprises an introduction to data structures, flow control, loops, graphics, basic data
analyses with MATLAB, scripts and functions.

Reader's advisory
Recommended: Wallisch, Pascal (2014) MATLAB for neuroscientists: an introduction to scientific

Links
Language of instruction  English
Duration (semesters)    1 Semester
Module frequency        annually, summer term, second half
Module capacity          12 (in total with bio640) (shared course components with (cannot be credited twice): bio640)
Modulelevel             MM (Mastermodul / Master module)
Modulart                Wahlpflicht / Elective

Vorkenntnisse / Previous knowledge
Examination Time of examination Type of examination Working on exercises
Final exam of module end of summer term Working on exercises

Course type Comment SWS Frequency Workload attendance
Lecture 0.00 SuSe 0 h
Seminar 0.00 SuSe 0 h
Exercises 2.00 SuSe 28 h

Total time of attendance for the module 28 h