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:

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)

Modullevel: MM (Mastermodul / Master module)
Modulart: Wahlpflicht / Elective

Lern-/Lehrform / Type of program:

Vorkenntnisse / Previous knowledge:

<table>
<thead>
<tr>
<th>Examination</th>
<th>Time of examination</th>
<th>Type of examination</th>
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<tbody>
<tr>
<td>Final exam of module</td>
<td>end of summer term</td>
<td>Working on exercises</td>
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<td>Regular active participation</td>
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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