

**Joint Master's program Biomedical Engineering**

X4M 2315 Biophysic Lab	Lab, 2 SWS
Workload:	see related module
Credit-points:	3
Lecturer:	Bodo Nestler
Language:	English
Curriculum:	Master's program Biomedical Engineering, 2nd Semester
Prerequisites according to examination regulations	None
Recommended prerequisites:	Lecture Biophysics
Learning outcomes:	The students are able to successfully implement the theoretical biophysical skills from the lecture to practical problems.
Content:	<p>The students work on several tasks in the following fields:</p> <ul style="list-style-type: none">• Experiments testifying the Nernst-eq. and the Goldman-eq.• Experiments for understanding the electrophoresis and iontophoresis and the electrical behaviour of different tissues• Experiments testifying the Law of Van't Hoff (understanding the filtrations processes)• Experiments for understanding MRI
Literature:	see lecture
Examination:	Graded lab-reports
Teaching methods:	Lab, presentations