## Module MatLab - Project

Module Name: MatLab - Project

Module Number		<b>Level</b> Master	Short MATLAB Name	
Responsible Lecturers	Prof. Dr. rer. nat. Tim Jürgens			
Department, Facility	THL, Applied Natural Sciences			
Course of Studies	Biomedical Engineering, Master			
Compulsory/elective	Compulsory	ECTS Credit Po	oints 4	
Semester of Studies	1	Semester Hours per W	/eek 4	
Length (semesters)	1	Workload (ho	ours) 100	
Frequency	WiSe	Presence Ho	ours 40	
Teaching Language	English	Self-Study Ho	ours 60	
Consideration of Gender and Diversity Issues	☑ Use of gender-neutral language (THL standard)			
	$\square$ Target group specific adjustment of didactic methods			
	$\square$ Making subject diversity visible (female researchers, cultures etc.)			
Applicability	Biomedical Engineering			
Remarks	None			

## Module MatLab - Project

## Module Course MatLab - Project

Course 1: MatLab - Project

Course Number		Short Name	MATLAB
Course Type	Exercise	Form of Learning	Presence
Mandatory Attendance	$\boxtimes$	ECTS Credit Points	4
Participation Limit	25	Semester Hours per Week	4
Group Size (practical training, exercises,)	2	Workload (hours)	100
Teaching Language	English	Presence Hours	40
Study Achievements ("Studienleistung", SL)	Exercise	Self-Study Hours	60
SL Length (minutes)	90	SL Grading System	One-third Grades
Exam Type	Written Exam	Exam Language	English
Exam Length (minutes)	60	Exam Grading System	One-third Grades
	<ul> <li>The students know</li> </ul>	the syntax of script language	e MATLAB
	<ul> <li>The students can a implementation wi</li> <li>The students are a using MATLAB</li> </ul>	pply a research-oriented task ith MATLAB ble to use multiple ways of d rstand basic concepts of sign	c towards digital
Participation Prerequisites	<ul> <li>The students can a implementation with the students are a using MATLAB</li> <li>The students under the students of the studen</li></ul>	pply a research-oriented task ith MATLAB ble to use multiple ways of d rstand basic concepts of sign	c towards digital
Participation Prerequisites  Contents	<ul> <li>The students can a implementation with the students are a using MATLAB</li> <li>The students under MATLAB-realized at Mone</li> <li>Datatypes</li> <li>Basic built-in MATL</li> <li>Matrices and vector</li> <li>Basic and advanced</li> </ul>	pply a research-oriented task ith MATLAB ble to use multiple ways of directions and functions because the plant of the pla	c towards digital
	<ul> <li>The students can a implementation will represent the students are a using MATLAB</li> <li>The students under MATLAB-realized at the students under MATLAB-realized at t</li></ul>	pply a research-oriented task ith MATLAB ble to use multiple ways of directions and functions because the plant of the pla	towards digital ata visualization al processing with reference reference reference reference to tics with MATLAB lishing, 2014.