TECHNISCHE HOCHSCHULE LÜBECK

Module: Internet Programming

Level	Bachelor	**Short Name**	IntProg
Responsible Lecturers	Matthies, Denys, Prof. Dr.		
Department, Facility	Electrical Engineering and Computer Science		
Course of Studies	Information Technology, Bachelor		
Compulsory/elective	Elective	**ECTS Credit Points**	5
Semester of Studies	(Unspecified)	**Semester Hours per Week**	4
Length (semesters)	1	**Workload (hours)**	150
Frequency	(Flexible)	**Presence Hours**	60
Teaching Language	English	**Self-Study Hours**	90
The following section is filled only if there is **exactly one** module-concluding exam.			
Exam Type	Portfolio Exam	**Exam Language**	English
Exam Length (minutes)		**Exam Grading System**	One-third Grades
Learning Outcomes	Students will be able to design a web application using appropriate languages and frameworks.		
Participation Prerequisites			
The previous section is filled only if there is **exactly one** module-concluding exam.			
Consideration of Gender and Diversity Issues	✔ Use of gender-neutral language (THL standard) ✘ Target group specific adjustment of didactic methods ✘ Making subject diversity visible (female researchers, cultures etc.)		
Applicability			
Remarks			

TECHNISCHE HOCHSCHULE LÜBECK

Module Course: Internet Programming (Lecture)

(of Module: Internet Programming)

Course Type	Lecture	**Form of Learning**	Presence
Mandatory Attendance	no	**ECTS Credit Points**	3
Participation Limit		**Semester Hours per Week**	2
Group Size		**Workload (hours)**	90
Teaching Language	English	**Presence Hours**	45
Study Achievements ("Studienleistung", SL)		**Self-Study Hours**	45
SL Length (minutes)		**SL Grading System**	

The following section is filled only if there is a course-specific exam.

Exam Type		**Exam Language**	
Exam Length (minutes)		**Exam Grading System**	
Learning Outcomes			
Participation Prerequisites			

The previous section is filled only if there is a course-specific exam.

Contents	The students understand the basic elements of web programming such as HTTP request/response, common HTML tags, cookies and session tracking as well as their limitations. The students learn how to use client side and server side web development technologies such as PHP, or others to solve a given problem in a purposeful way.
Literature	• Harvey & Paul Deitel: Internet & World Wide Web: How to Program (5th Edition), 2011 • Tutorials about client side and server side web development technologies from web sources like W3C
Remarks	

TECHNISCHE HOCHSCHULE LÜBECK

Module Course: Internet Programming (Exercise)

(of Module: Internet Programming)

Course Type	Exercise	**Form of Learning**	Presence
Mandatory Attendance	yes	**ECTS Credit Points**	2
Participation Limit		**Semester Hours per Week**	2
Group Size		**Workload (hours)**	60
Teaching Language	English	**Presence Hours**	15
Study Achievements ("Studienleistung", SL)		**Self-Study Hours**	45
SL Length (minutes)		**SL Grading System**	

The following section is filled only if there is a course-specific exam.

Exam Type		**Exam Language**	
Exam Length (minutes)		**Exam Grading System**	
Learning Outcomes			
Participation Prerequisites			

The previous section is filled only if there is a course-specific exam.

Contents	The students apply knowledge from lectures by designing and developing a complete database-driven, multi-tiered, interactive web application, and deploy and test such an application.
Literature	See lecture
Remarks	