

Web Development 2nd semester top-up programme

Programme:

Bachelor of WEB Development programme

Semester:

2nd semester of top-up programme equal to 6th or 7th semester of a full bachelor degree programme.

Pre-requisites:

A foreign qualification similar to 2½ - 3 years computer science studies (experienced programmer or qualifications with multimedia design).

Availability:

Spring Semester (end January - June)

Autumn Semester (end August – January)

Programme information for exchange (Learning Agreement):

For a detailed course description kindly refer to the programme curriculum found under programme information on <http://zibat.dk/curriculums-ordinary-programmes/>

Semester overview:

	<i>Study Programme at the Receiving Institution</i>			
	Planned period of the mobility: from [month/year] to [month/year]			
Before the mobility		Component/course title (as indicated in the course catalogue)	Semester [e.g. autumn/spring; term]	Number of ECTS credits
	WEB2	Database (Mandatory)	Autumn/Spring	10

	WEB2	PHP (Mandatory)	Autumn/Spring	10
	WEB2	Mobile Development (Mandatory)	Autumn/Spring	10
				Total: 30 ECTS
<p>Web link to the course catalogue at the Receiving Institution describing the learning outcomes:</p> <p style="text-align: center;">http://zibat.dk/curriculums-ordinary-programmes/</p>				

Semester and Course Description:

Component code (if any)	Component title at the Receiving Institution (as indicated in the course catalogue)	Course Component Description	Available Semester	Number of ECTS credits
WEB2	Database (Mandatory)	<p>Learning outcomes :</p> <p>Knowledge Upon completion of the course, students should have acquired knowledge about:</p> <ul style="list-style-type: none"> • at least one widely-used modelling language for data modelling • distributed databases and their prevalence and use in web contexts • describing problems concerning data exchange and the use of data formats in developing in web contexts. <p>Skills Upon completion of the course, students should have acquired the skills to:</p> <ul style="list-style-type: none"> • apply data models for development and maintenance in web contexts • apply complex database queries • apply transactions • embed business logic in the database layer • use data formats for data integration. 	Autumn + Spring	10

		<p>Competencies Upon completion of the course, students should have acquired the competencies to:</p> <ul style="list-style-type: none"> • analyse and select the tasks that would be suitably placed in the database layer and those that should be placed in the application layer • analyse and select a database technology/technologies that will resolve a given development task in a web context suitably. <p>Course contents ER-diagrams, Interactive SQL, Stored procedures, trikkers, transactions, Big Data, Interdisciplinary Project</p>		
WEB2	PHP (Mandatory)	PHP – http, PHP scripts, Language syntax, PHP Object oriented, Laravel Framework, Interdisciplinary Project	Autumn + Spring	10
WEB2	Mobile Development (Mandatory)	Introduction to mobile development, Ionic2 (Building basic mobile apps, Mobile UX, Local Storage and REST API, Mobile Apps with sensors, Interdisciplinary Project	Autumn + Spring	10
				TOTAL:30 ECTS