

Advanced Web Programming					
Course Code CSD60012	Student Workload 90 hours	Credits (according to ECTS) 4.5	Semester 6	Frequency each even-semester	Duration 16 meetings
1	Types of courses <i>Elective</i>	contact hours 63 hours	independent study 27 hours	class size 40 students	
2	Prerequisites for participation Have completed Web Programming course				
3	Learning outcomes IS-ILO-4 Graduates can develop professional careers in computer science based on quality aspects, data-driven decision making, be responsible, and make continuous improvements.				
4	Subject aims <ul style="list-style-type: none"> • Students are able to understand how the MVC-based framework works. • Students are able to implement a framework to build website. • Students are able to implement ORM to manage database. • Students are able to understand the concept of REST. • Students are able to build REST API server and client applications. • Students are able to understand the concept of microservice technology. 				
5	Teaching methods lectures, case study, class discussion, presentation				
6	Assessment methods assignment, mid-term examination, end-term examination, project evaluation, practical-skill assessment				
7	This module is used in the following degree programs as well				
8	Responsibility for module				
9	Other information Christopher John Pecoraro., 2015. Mastering Laravel. Anthony Gore. 2017. Full Stack Vue.js and Laravel 5				