Module designation	IF231 Introduction to Internet Technology
Semester(s) in which the module is taught	3
Person responsible for the module	Fenina Adline Twince Tobing Yonatan Ester Lumba
Language	Indonesian
Relation to curriculum	Compulsory
Didactic methods	- Lecture - Problem Based - Demonstration - Hands-On - Interactive Multimedia
Workload (incl. contact hours, self-study hours)	Total workload: 136.08 hours Theory - 23.34 hours of synchronous lecture. - 56.04 hours of Self-study and assignments - 11.34 hours related to exam and self study Lab - 23.35 hours of lab module (and in-class assistance) - 16.34 hours of self-lab and assignments - 5.67 hours related to exam and self study
Credit points	3 SKS (5.04 ECTS)
Required and recommended prerequisites for joining the module	-

Module objectives/intended learning outcomes	Course Learning Outcome	Related ELOs	
		ELO	Performance Indicator
	Students are able to develop Single-page client-side web applications as solutions to information technology problems.	I	Understand the concept of software and hardware integration, distributed system, and computer communication protocols.

Content	This subject teaches the basic concepts of Web programming using client-side scripting. Specifically, this course contains these topics:

	1. Internet Technology 2. CSS: Basics and Navigation 3. CSS: Form Elements and Responsive Web Design 4. JavaScript: Basic, Function, Events & DOM 5. JavaScript: AJAX and XML 6. JavaScript: Cookies and Functional Programming 7. jQuery API and UI 8. Bootstrap: Functional Framework Library 9. JavaScript Framework 10. Angular I 11. Angular II 12. Angular III
Examination forms	- Written Test - Product Based
Study and examination requirements	The total average score for the activities (40%), midterm (25%), and final (35%) exams must be more than or equal to 55 (C).
Reading list	1. Estelle Weyl. Mobile HTML5, O'Reilly. (2013) 2. James Kalbach. Designing Web Navigation, O'Reilly. (2007) 3. Lon Barfield. Design for New Media, Pearson. (2003) 4. Jim Boulton. 100 Ideas That Changed The Web, Laurence King Publishing. (2014) 5. Rachel Andrew. The CSS3 Anthology 4th ed. (2012)