Module designation	CE729 Wireless Mobile Communication
Semester(s) in which the module is taught	5
Person responsible for the module	Nabila Husna Shabrina, S.T, M.T. Aminuddin Rizal, S.T., M.Sc Dareen K Halim, S.Kom., M.Sc
Language	Indonesian
Relation to curriculum	Compulsory
Didactic Methods	Lecture, Independent Learning
Workload (incl. contact hours, self-study hours)	Total workload: 136.08 hours - 35.01 hours of synchronous lecture. - 84.06 hours of self-study and assignments in the form of essays. - 17.01 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				
	ELO		Performance Indicator	CLO
	H	H1	Understand the concept of communications between computer systems, operating systems, and computer security.	• Able to utilize appropriate tools and methods in design and analysis of communication systems • Able to analyze modern communication systems founded on its basic principles • Able to analyze the characteristics of radio propagation in wireless & mobile communication systems • Able to analyze the standards and technological aspects of wireless communication systems

Content	This course covers the topic of wireless communications and mobile communications, ranging from basic principles, methods

	undertaken to overcome communication disruption and wireless technology development.
Assessment Instrument	Written Test
Study and examination requirements	The total average score for this subject : assignments&quiz (30%), midterm exam (30%), final exam (40%). Final score must be more than or equal to 55 (C).
Reading list	1. C. Beard, W. Stallings, Wireless Communication Systems & Networks, Pearson, 2016 [WC] 2. J. Rodriguez, Fundamental of 5G Mobile Networks, Wiley, 2015 [5G] 3. Kamal ZEH., Salahuddin M.A., Introduction to Wireless Sensor Networks. In: Benhaddou D., Al-Fuqaha A. (eds) Wireless Sensor and Mobile Ad-Hoc Networks. Springer, 2015 [WSN] 4. E. S. Gopi, Digital Signal Processing for Wireless Communication Using Matlab, Springer, 2021 [M]