Description of Course Unit

Course unit title	Applied Physics
Course unit code	VW191902
Type of course unit (compulsory, optional)	compulsory
Level of course unit (according to EQF: first cycle Bachelor, second cycle Master)	first cycle Bachelor
Year of study when the course unit is delivered (if applicable)	
Semester/trimester when the course unit is delivered	1
Number of ECTS credits allocated	4.8
Name of lecturer(s)	Sefi Novendra Patrialova
Learning outcomes of the course unit	Students are able to understand the concept and application of kinematics, fluid mechanics, wave vibration, and electromagnetics
Mode of delivery (face-to-face, distance learning)	face-to-face
Prerequisites and co-requisites (if applicable)	
Course content	1. Vector 2. Kinematics and dynamics 3. Energy concept 4. Thermodynamics 5. Electric field
Recommended or required reading and other learning resources/tools	1. P. A. Tipler and G. Mosca, Physics for Scientist and Engineers, 5th ed. New York: W.H. Freernan & Co., 2004. 2. D. Halliday, R. Resnick, and J. Walker, Fundamental of Physics, 9th ed. New Jersey: John Wiley & Sons, Inc, 2011.
Planned learning activities and teaching methods	Problem Based Learning, Blended Learning
Language of instruction	Indonesian Language
Assessment methods and criteria	Assignment, Quiz, Midterm Exam and Final Exam