

	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8
PLO 01	Basic Physics I	Basic Physics II Thermodynamics Wave	Internet of Things Biology Basic Chemistry Basic Electronics Electromagnetics Modern Physics Mechanics Anatomy and Physiology Switching Theory Electric Circuit Analysis	Statistical Physics Modern Optics Quantum Physics Radiobiology Material Thermodynamics Geoscience Structural Geology Practice	Solid-State Physics Simulation and Modeling Nuclear Physics Physical System Analysis Goelectrics and Electromagnetics Practice	Introduction to Spectroscopy Introduction to Plasma and Nuclear Fusion Physics Wave and Material Interactions Basics of Nanomaterials Basics of Superconductor Environmental Physics Seismology	Petroleum Geology	
PLO 02	Calculus and Vector	Mathematical Physics I	Mathematical Physics II Electromagnetics Biophysics	Mathematical Physics III Computational Physics	Signal and System Physical System Analysis	Algorithm and Programming Automation System Sensor Technology		
PLO 03			Modern Physics Introduction to Geophysics Physical Geology Practice	Statistical Physics Quantum Physics Radiobiology Mechanic Material Properties Artificial Intelligence	Simulation and Modeling Solid-State Physics Geologi Struktur	Radiotherapy Planning Reactor Physics Wave and Material Interactions Geophysics Inversion Geophysics Data Processing		
PLO 04	Basic Physics Practice I Methods of Physical Metrology	Basic Physics Practice II Basic Chemistry Dasar	Basic Electronics Practice Modern Physics Practice Switching Theory Electric Circuit Analysis	Instrumentation Modern Optics Computational Physics Practice Electronic and Mechanical Circuit Design Device Physical Geology Meteorology	Standarization Laboratory Practical work Introduction to Radiology and Dosimetry Physics Computer Network	Methods of Data Processing Medical Physics and Radiation Protection Introduction to Spectroscopy Medical Physics and Counting System Practice Seismic Exploration Practice Geophysics Data Processing Microprocessor and Interface Programmable Logic Controller Industry Instrumentation Goelectrics and Electromagnetics Seismology Practice Seismic Exploration	Diagnostic Radiology Physics and Radiotherapy Practice Material Preparation and Characterization Practice Material Analysis and Characterization Medical Instrumentation Gravity and Geomagnetic Gravity and Geomagnetic Practice	Thesis

	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8
PLO 06			Anatomy and Physiology Introduction to Geophysics Physical Geology Practice Biomaterials Polymers and Composite	Imaging Physics I Structural Geology Practice Geoscience Thermodynamics Material	Imaging Physics II Introduction to Radiotherapy Medical Physics and Radiation Protection Introduction to Radiology and Dosimetry Physics Structural Geology Electronic and Photonic Materials	Applications of Radiation Radiotherapy Planning Reactor Physics Introduction to Plasma and Nuclear Fusion Physics Crystal and X-ray Diffraction Physics Algorithm and Programming Programmable Logic Controller Industry Instrumentation Seismology Geophysics Inversion Magnetic and Dielectric Materials Powder Technology Thin Film Physics Basics of Nanomaterials Basics of Superconductor Automation System Sensor Technology Environmental Physics Seismic Exploration	Diagnostic Radiology Physics and Radiotherapy Practice Basics of Clinical Nuclear Medical Physics Quality Control Medical Instrumentation Software Engineering Computer Vision System Petroleum Geology Geothermal	
PLO 08					Research Methodology	Kerja Praktek		Thesis
PLO 07	Pancasila & Citizenship Religious Education Indonesian Language Sport English				Laboratory Practical work	Entrepreneurship Practical Work	Student Study Service (KKN)	