

Kode	Matakuliah	sks	JS	W/P
Semester	3			
UNIV236009	Bahasa Indonesia / Indonesian Language	2	2	W
NFIS236004	Mekanika Klasik / Classical Mechanics	4	5	W
NFIS236009	Fisika Modern / Modern Physics	4	5	W
NFIS236006	Fisika Termal dan Statistika / Statistics and Thermal Physics	4	4	W
NFIS236007	Elektromagnetika / Electromagnetism	4	5	W
NFIS236015	Elektronika II / Electronics II	3	4	W
	MK Pilihan	3		P
NFIS236036	Fisika Citra / Physics of Imaging	3	4	P
NFIS236037	Fisika Material / Material Physics	3	3	P
NFIS236051	Sensor Optik / Optical Sensors	3	3	P
NFIS236057	Sensor dan Aktuator / Sensor and Actuator	3	4	P
NFIS236062	Geofisika / Geophysics	3	3	P
	Total W	21	25	
	Total P	3	0	
	Total	24	25	

Kode	Matakuliah	sks	JS	W/P
Semester	5			
UNIV236010	Manajemen Inovasi / Innovation Management	3	3	W

Kode	Matakuliah	sks	JS	W/P
Semester	4			
UNIV236008	Pendidikan Kewarganegaraan / Civic Education	2	2	W
NFIS236008	Optika / Optics	3	4	W
NFIS236010	Fisika Kuantum / Quantum Physics	3	3	W
NFIS236013	Fisika Eksperimen / Experimental Physics	4	5	W
NFIS236016	Fisika Instrumentasi / Instrumentation Physics	3	3	W
NFIS236019	Fisika Komputasi / Computational Physics	4	5	W
	MK Pilihan	4		P
NFIS236028	Mekanika Kuantum / Quantum Mechanics	4	4	P
NFIS236029	Mikroprosesor / Microprocessors	3	3	P
NFIS236041	Sintesis Material Alam / Synthesis of Natural Material	4	5	P
NFIS236053	Mikrokontroler / Microcontroller	3	3	P
NFIS236065	Metode Geolistrik dan Elektromagnetik / Geoelectrical and Electromagnetic Methods	4	5	P
	Total W	19	22	
	Total P	4	0	
	Total	23	22	

Kode	Matakuliah	sks	JS	W/P
Semester	6			
	MBKM	20	20	P

Kode	Matakuliah	sks	JS	W/P
Semester	5			
NFIS236012	Fisika Zat Padat / Solid State Physics	3	3	W
NFIS236023	Elektrodinamika / Electrodynamics	3	3	W
NFIS236011	Fisika Atom, Inti dan Partikel / Particle, Nuclear and Atomic Physics	3	3	W
NFIS236020	Metode Penelitian Fisika Berbasis Lingkungan / Research Methodology for Physics	4	5	W
	Matakuliah Pilihan & Transdisipliner/Elective & Transdisciplinary Courses	6		P
NFIS236025	Fisika Komputasi Lanjut / Advanced Computational Physics	4	4	P
NFIS236031	Teori Relativitas / Theory of Relativity	3	3	P
NFIS236042	Nanomaterial / Nanomaterials	3	3	P
NFIS236047	Karakterisasi Material / Material Characterization	4	5	P
NFIS236054	Instrumentasi Medis / Medical Instrumentation	3	3	P
NFIS236055	Material Optik / Optical Materials	3	3	P
NFIS236061	Geologi / Geology	3	4	P
NFIS236063	Pemodelan dan Inversi Geofisika / Geophysical Modelling and Inversion	3	4	P

Kode	Matakuliah	sks	JS	W/P
Semester	6			
	Matakuliah Pilihan & Transdisipliner/Elective & Transdisciplinary Courses (Paket Konversi)	20		P
NFIS236026	Kecerdasan Buatan Dalam Fisika / Artificial Intelligence in Physics	3	3	P
NFIS236027	Mahadata Dalam Fisika / Big Data in Physics	3	4	P
NFIS236033	Mekanika Statistik / Statistical Mechanics	3	3	P
NFIS236032	Astronomi / Astronomy	3	3	P
NFIS236034	Kosmologi / Cosmology	3	3	P
NFIS236035	Astrofisika / Astrophysics	3	3	P
NFIS236044	Fisika Magnetik / Magnetic Physics	3	3	P
NFIS236048	Fisika Semikonduktor / Semiconductor Physics	3	3	P
NFIS236043	Teknologi Pengolahan Limbah / Waste Treatment Technology	3	3	P
NFIS236046	Biofisika / Biophysics	3	3	P
NFIS236039	Fisika Polimer / Polymer Physics	3	3	P
NFIS236040	Fisika Keramik / Ceramics Physics	3	3	P
NFIS236045	Fisika Energi / Physics of Energy	3	3	P
NFIS236049	Fisika Superkonduktor / Superconductor Physics	3	3	P



	Systems			
NFIS236060	Komunikasi Optik / Optical communication	3	3	P
NFIS236066	Kapita Selektta Fisika Bumi	3	3	P
	Total W	8	8	
	Total P	3	0	
	Total	11	8	

	Total W	6	6	
	Total P	0	0	
	Total	6	6	

Kode	Matakuliah Pilihan Universitas	sks	JS	W/P
Semester	6			
UNIV236015	Kemampuan Berpikir Kritis / Critical thinking skill	20	20	P
UNIV236016	Manajemen Program / Programme Management	20	20	P
UNIV236017	Komunikasi Efektif / Effective Communication	20	20	P
UNIV236018	Kepemimpinan / Leadership	20	20	P
UNIV236019	Menulis Laporan / Report Writing	20	20	P
UNIV236020	Pengembangan Kreativitas / Creativity Development	20	20	P
UNIV236021	Kemampuan Kerjasama	20	20	P