

KURIKULUM 2023
PROGRAM STUDI TEKNOLOGI REKAYASA MANUFAKTUR

Semester 1		
Kode	Mata Kuliah / Inggris	SKS
UG234905	Agama Buddha <i>Buddhis Studies</i>	2
UG234904	Agama Hindu <i>Hindu Studies</i>	2
UG234901	Agama Islam <i>Islamic Studies</i>	2
UG234903	Agama Katolik <i>Catholic Studies</i>	2
UG234906	Agama Khonghucu <i>Khonghucu Studies</i>	2
UG234902	Agama Kristen <i>Christian Studies</i>	2
VW231902	Fisika Terapan <i>Applied Physics</i>	3
VM231103	Ilmu Bahan <i>Materials Science</i>	2
VW231901	Matematika <i>Mathematics</i>	3
VM231101	Menggambar Teknik <i>Engineering Drawing</i>	3
VM231104	Proses Manufaktur 1 <i>Manufacturing Process 1</i>	3
VM231102	Statika <i>Statics</i>	2
Total SKS		28

Semester 2		
Kode	Mata Kuliah / Inggris	SKS
VM231207	Bahan Teknik <i>Materials Engineering</i>	3
UG234914	Bahasa Inggris <i>English</i>	2
VW231903	Kimia Terapan <i>Applied Chemistry</i>	3
VM231206	Mekanika Kekuatan Material <i>Mechanics of Material Strength</i>	2
VM231205	Menggambar Mesin dan CAD <i>Mechanical Drawing & CAD</i>	3
VM231209	Proses Manufaktur 2 <i>Manufacturing Process 2</i>	3
VM231208	Termodinamika <i>Thermodynamics</i>	2
Total SKS		18

Semester 3		
Kode	Mata Kuliah / Inggris	SKS
UG234912	Bahasa Indonesia <i>Indonesian</i>	2
VM231315	CAD-CAE <i>CAD-CAE</i>	3
VM231313	Elemen Mesin 1 <i>Machine Elements 1</i>	3
VM231312	Kinematika-Dinamika <i>Kinematics & Dynamics</i>	3
VM231311	Mekanika Fluida <i>Fluids Mechanics</i>	2
VM231310	Metrologi dan Standarisasi <i>Metrology and Standardization</i>	2
VM231314	MK3L <i>QHSSE</i>	2
Total SKS		17

Semester 4		
Kode	Mata Kuliah / Inggris	SKS
VM231419	Elemen Mesin 2 <i>Machine Elements 2</i>	3
VM231418	Mekanika Getaran <i>Mechanic of Vibration</i>	3
VM231417	Mekatronika <i>Mechatronics</i>	3
VM231421	Menggambar Mesin dan CAD Lanjut <i>Advanced Mechanical Drawing & CAD</i>	3
UG234911	Pancasila <i>Pancasila</i>	2
VM231420	Pemesinan Non Konvensional <i>Non Conventional Machining</i>	3
VM231416	Statistika Industri <i>Industrial Statistics</i>	2
Total SKS		19

Semester 5		
Kode	Mata Kuliah / Inggris	SKS
VM231527	Perencanaan Produk dan Ekonomika Teknik <i>Product Design and Engineering Economics</i>	3
VM231522	Pesawat Pengangkat <i>Materials Handling</i>	2
VW231904	Rekayasa Teknologi Cerdas <i>Intelligent Technology Engineering</i>	3
VM231526	Teknik dan Manajemen Perawatan <i>Engineering Maintenance and Management</i>	3
VM231523	Teknologi Pembentukan <i>Forming Technology</i>	3
VM231524	Teknologi Pengecoran <i>Casting Technology</i>	3
VM231525	Teknologi Pengelasan <i>Welding Technology</i>	3
Total SKS		20

Semester 6		
Kode	Mata Kuliah / Inggris	SKS
VM231628	Instrumentasi dan Otomasi Manufaktur <i>Instrumentation & Manufacturing Automation</i>	3
VW231905	Magang <i>Internship</i>	14
VM231629	Manajemen Operasional, Perencanaan Produksi dan Pengendalian Persediaan <i>Operations Management, Production Planning and Inventory Control (OMPPIC)</i>	3
Total SKS		20

Semester 7		
Kode	Mata Kuliah / Inggris	SKS
VM231734	CNC <i>CNC</i>	3
VM231736	Manufaktur Aditif <i>Additive manufacturing</i>	2
VM231735	Penulisan Ilmiah <i>Scientific Writing</i>	2
VM231733	Perlakuan Panas <i>Heat Treatment</i>	3
VM231732	Pneumatik dan Hidrolik <i>Pneumatics and Hydraulics</i>	3
VM231730	Sistem Pengendalian <i>Control Systems</i>	2
VM231731	Tool Design <i>Tool Design</i>	3
Total SKS		18

Semester 8		
Kode	Mata Kuliah / Inggris	SKS
UG234916	Aplikasi Teknologi & Transformasi Digital <i>Applied Technology and Digital Transformation</i>	3
VM231837	CAD-CAM <i>CAD-CAM</i>	2
UG234913	Kewarganegaraan <i>Civics</i>	2
UG234915	Kewirausahaan Berbasis Teknologi <i>Technopreneurship</i>	2
VW231906	Magang <i>Internship</i>	20
VM231838	Proyek Akhir <i>Final Projects</i>	5
Total SKS		34