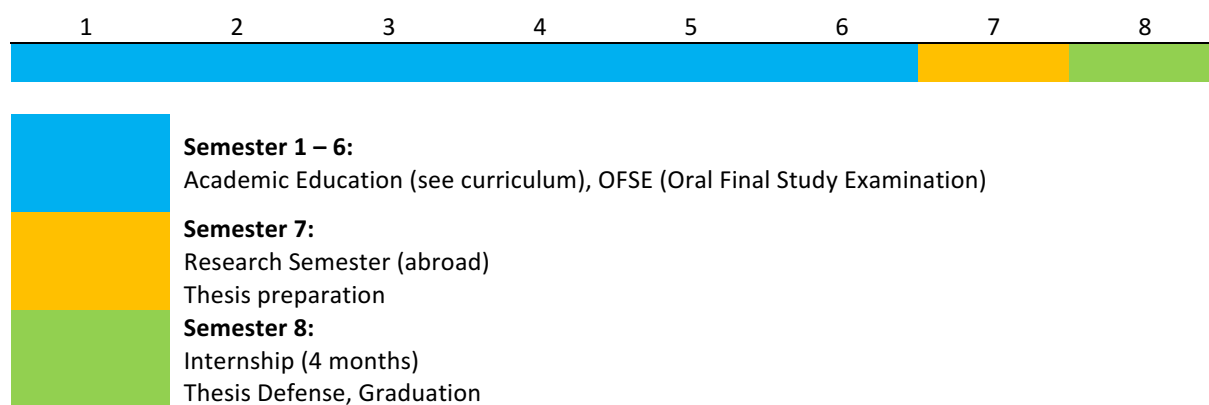


1 Curriculum: Mechanical Engineering (Automotive) - AUE

1.1 Data

- 1 Duration of Study (S-1) : 4 years
- 2 Academic Year : 2 Semesters
Odd Semester: 1 July to 31 December
Even Semester: 1 January to 30 June
- 3 Academic weeks / Semester : 16 (14 academics and 2 for examinations)
Semester Credit Units (SKS) : 1 SKS (preparation, lecture, exercises)
- 4 Numbers of SKS per Semester : max 24 (academics)
Total SKS for S-1 study : 144 – 160 SKS
- 5 Duration of one lecture : 50 Minutes
- 6 Number of Students per Subject : min. 12 Students
- 7 File Name : 01-Cur-AUE-08-06.docx
- 8 Modification : Subject to Changes / 2017/08/06/PP

1.2 Structure of Study



1.3 Scores

Grade Letter	Grade Wording	IULI	Indonesian Grade Points (GP)	Germany Grade Point	Grade Description	Student Represent
A	Excellent	86 - 100	4	1	Outstanding performance	10%
B	Good	71 - 85	3.0 - 3.9	2	Performance is considerably higher than the average requirements	25%
C	Satisfactory	56 - 70	2.0 - 2.9	3	Performance meets the average requirements	30%
D	Poor	46 - 55	1.0 – 1.9	4	Performance is poor and likely to lead to failure	25%
F	Fail	< 45	0	5	Performance does not meet the minimum criteria. Considerable further work is required	10%

2 Curriculum (in SKS)

University Compulsory Subjects
Faculty Compulsory Subjects
Department Compulsory Subjects
Elective Subjects

01- Automotive Engineering - AUE

University Compulsory Subjects		Semester									
			1	2	3	4	5	6	7	8	Total
1	English	ENGL	2	2	2	2	1	1			10
2	Computer Network & IT Security	CNIS	2								2
3	Applied Statistics	MATH		2							2
4	Research Methodology	RESM		2							2
5	Environment Sciences	ENVI			2						2
6	Civics	CIVI				2					2
7	Ethics and Religious Philosophy	ETRP					2				2
8	Innovation & Product Development	PROD					2				2
9	E-Commerce	ECOM						2			2
10	Indonesian Language & Culture	IDLC						2			2
11	Pancasila	PANC						2			2
12	Oral Final Study Examination (OFSE)	OFSE						0			0
13	Research Semester	RESS							6		6
14	Internship / Project	INSP								3	3
15	Thesis / Thesis Defence	THES								6	6
Total			4	6	4	4	5	7	6	9	45

Engineering Faculty Compulsory Subjects			Semester								
			1	2	3	4	5	6	7	8	Σ
1	Introduction to Engineering	IENG	1								1
2	Chemistry	CHEM	2								2
3	Material Science	MATS	2								2
4	Engineering Mathematics 1,2	MATH	3	3							6
5	Physics & Laboratory 1,2	PHYS	3	3							6
6	Algorithm, Programming 1, 2	PROG	3	3							6
7	Electrical Engineering & Laboratory 1, 2	ELEE	3	3							6
8	Engineering Drawing / CAD 1*	ENDR	3								3
9	Statics and Mechanics of Materials*	MECH		4							4
10	Manufacturing Process*	MFPR			2						2
11	Applied Mathematics	MATH			3						3
12	Metrology and Quality Control	MEQC			2						2
13	Computer Aided Design – CAD 2 **	CADD			3						3
14	Engineering Economy***	EECO				2					2
15	System Design 1, 2***	SYSD				3	3				6
16	Engineering Management ***	EMGT					2				2
Total			20	16	10	0	5	5	0	0	56

Exclude: /**COS, **ELE, ***INE

AUE - Department Compulsory Subjects			Semester								
			1	2	3	4	5	6	7	8	Σ
1	Machine Elements	MELM			3						3
2	Thermo -Fluid Science	TFSC			2	2					4
3	Material- and Metal Forming	MMFO				3					3
4	Automotive Power Train Tech	APTT					3				3
5	Heat Transfer	HETR				3					3
6	Computer Aided Manufacturing-CAM	CAMA				3					3
7	Kinematics and Dynamics of Machines	KDYN				3					3
8	Control Techniques	CTRL				3					3
9	Assembly and Manufacturing Support	ASSY					2				2
10	Mechanical Vibrations	MVIB					3				3
11	Introduction to Mechatronics	IMTE			2						2
12	Internal Combustion Engine	ICEN					3				3
13	Pneumatics and Hydraulics	PNEU						3			3
14	Elective Subjects	ELEC					4	4			8
Department			0	0	7	17	12	10	0	0	46
Faculty			20	16	10	0	5	5	0	0	56
University			4	6	4	4	5	7	6	9	45
Total			24	22	21	21	22	22	6	9	147

Electives Subjects

1	German Language 1 *)	GERM	2	2	2	2	2	2			12
2	German Language 2 **)	GERM	2	2							4
3	Mandarin	MAND	2	2	2	2	2		2		12
4	Business Arabic	ARAB	2	2	2	2	2		2		12
5	Mechanical Subjects	MEEL					4	4			8

*) Mandatory for Internship in Germany

***) Presemester Course (Final Exam in Germany)