CURRICULUM STRUCTURE – BACHELOR OF ENGINEERING (HONOURS) (CIVIL ENGINEERING) PROGRAMME ACADEMIC SESSION 2015/2016

Туре	Category	LEVEL 100				L		LEVEL 200 LEVEL 300		300		LE	VEL 4	400				
		SEMESTER 1		SEMESTER 2		SEMESTER 1		SEMESTER 2		SEMESTER 1		SEMESTER 2		SEMESTER 1		SEMESTER 2		
		EAA110/2 Civil Engineering Drawing	SEMESTER BREAK		EUM114/3 Advanced Engineering Calculus	EAA211/2 Engineering Mathematics for Civil Engineers		EAP215/3 Water Supply and Water Treatment Engineering		EAP315/3 Wastewater Engineering	-	EUP222/3 Engineers in Society	EAA371	EAA371/5 Industrial Training		EAS458/2 Pre-Stressed Concrete Design		
	re	EAA111/2 Programming for Civil Engineering		EAK163/4 Geomatic Engineering		EAH221/3 Fluid Mechanics for Civil Engineers	Mechanics for ngineers 15/3 echanics 3/3 y of Structures 3/2 ngineering	EAP216/3 Introduction to Environmental Engineering		EAL337/3 Pavement Engineering	SEMESTER BREAK	EAH325/3 Engineering Hydrology	INDU (Regi	EAS457/2 Steel Building Design	SEMESTER BREAK	EAA 484/2 Building and Construction Technology		
	Engineering Core	EUM113/3 Engineering Calculus		EAS152/3 Strength of Materials	SEMES	EAG245/3 Soil Mechanics		EAH225/3 Hydraulics	SEMES	EAG345/3 Geotechnical Analysis		EAL338/3 Transportation and Road Safety	STRIAL Ster in s	EAA483/2 Construction Management		EAA492/6 (3) Final Year Project		
CORE	Enginee	EAG141/2 Geology for Civil Engineers			TER BREAI	EAS253/3 Theory of Structures		EAL235/2 Highway and Traffic Engineering	ESTER BREAK	EAS353/3 Reinforced Concrete Structural Design I		EAG346/2 Geotechnical Design	TRAINN emester	EAA492/6 (3) Final Year Project				
ö		EAS151/3 Statics and Dynamics EAS153/3			~	EAA273/2 Civil Engineering Practice		EAS254/3 Structural Analysis				EAS356/2 Reinforced Concrete Structural Design II	ING FOR • 1 Year 4	EAA495/4 Integrated Design Project				
		Civil Engineering Materials											10 -)					
	Labs.							EAA204/2 Structures and Strength of Materials Laboratory		EAA206/2 Concrete, Structures and Fluid Mechanics Laboratory		EAA305/2 Hydraulics, Geotechnical and Environmental Engineering Laboratory		EAA304/2 Geotechnical, Highway and Traffic Engineering Laboratory	WEEK			
		15		10		15		16		14		15		16		7	108	
				LKM400/2 Malay Language		LSP300/2 English Language		HTU223/2 Asian and Islamic Civilisation		Co-Curriculum or Language subject (3 unit)		LSP404/2 English Language						
Unive Requir			WUS101/2 Core Entrepreneurship SHE101/2 Ethnic Study													15		
	(NO											EAP316/2 Air and Noise Pollution Control		EAP415/2 Solid Waste Management		EAP414/2 Industrial waste Management		
	ALISALI											EAH316/2 Hydraulic Structure		EAH417/2 Urban Water Management		EAH416/2 River Conservation and Rehabilitation		
ELECTIVE COURSES (SPECIALISATION)	() SPECI											EAS358/2 Timber Engineering		EAS453/2 Sustainable Concrete Materials and Practises		EAS456/2 Advanced Structural Analysis	12	
943 di 105	COURSES											Sustainable F Geotechnical Methods a	EAG443/2 Rock Engineering and Tunneling Technology		EAG444/2 Soil Stabilization and Ground Improvement	12		
	CLIVE											EAL338/2 Sustainable Transport		EAL431/2 Highway Design and Road Safety Audit		EAL434/2 Transport Planning Process and TIA		
	ELF											EAK382/2 Geographical Information System		EAA485/2 Disaster Management		EAA486/2 Project Management ts for Graduation	125	

Total Units for Graduation 135

CURRICULUM STRUCTURE – BACHELOR OF ENGINEERING (HONS.) (CIVIL ENGINEERING) FOUR YEAR PROGRAMME 2014/2015

Туре	Category		LEVEL 100			LEVEL 200				Ц	300		LEVEL 400					
		SEMESTER 1		SEMESTER 2		SEMESTER 1		SEMESTER 2		SEMESTER 1		SEMESTER 2		SEMESTER 1		SEMESTER 2		
		EAA110/2 Civil Engineering Drawing		EUM114/3 Advanced Engineering Calculus EAK163/4 Geomatic Engineering		EAA211/2 Engineering Mathematics for Civil Engineers		EAP215/3 Water Supply and Water Treatment Engineering		EAP315/3 Wastewater Engineering		EUP222/3 Engineers in Society		EAA371/5 Industrial Training		EAS458/2 Pre-Stressed Concrete Design		
		EAA111/2 Programming for Civil Engineering				EAH221/3 Fluid Mechanics for Civil Engineers		EAP216/3	EAL337/3 Highway Engineering		EAH325/3 Engineering Hydrology	EAA371	EAS457/2 Steel Building Design		EAA 484/2 Building and Construction Technology			
	Engineering Core	EUM113/3 Engineering Calculus	SEMES	EAS152/3 Strength of Materials	SEME	EAG245/3 Soil Mechanics	SEMEST	EAH225/3 Hydraulics	SEME	EAG345/3 Geotechnical Analysis	SEME	EAL336/3 Traffic Engineering	INDUSTRIAL (Register in s	EAA483/2 Construction Management	SEME	EAA492/6 (3) Final Year Project		
CORE	Engine	EAG141/2 Geology for Civil Engineers	SEMESTER BREAK	STER BREAK		SEMESTER BREAK	EAS253/3 Theory of Structures	STER BREAM	EAL235/2 Highway and Transportation Engineering	22	EAS353/3 Reinforced Concrete Structural Design I	SEMESTER BREAK	EAG346/2 Geotechnical Design	n semester 1 Year 4)	EAA492/ 6 (3) Final Year Project	SEMESTER BREAK		
		EAS151/3 Statics and Dynamics			Î	EAA273/2 Civil Engineering Practice		EAS254/3 Structural Analysis			Î	EAS356/2 Reinforced Concrete Structural Design II	FOR 10 WEEK (ear 4)	EAA495/4 Integrated Design Project				
		EAS153/3 Civil Engineering Materials			EAA204/2 Structures and Strength of Materia Laboratory	EA 4004/0		EAA206/2		EAA305/2		EAA304/2	VEEK					
	Labs.					Structures and Strength of Materials		s Concrete, Structures Hy and Fluid Mechanics Ge Laboratory En	EAA303/2 Hydraulics, Geotechnical and Environmental Engineering Laboratory		EAA304/2 Geotechnical, Highway and Traffic Engineering Laboratory							
		15		10		15		16		14		15		16		7	108	
Unive Requir				LKM400/2 Malay Language WUS101/2 Core Entrepreneurship SHE101/2 Ethnic Study		LSP300/2 English Language		HTU223/2 Asian and Islamic Civilisation		Co-Curriculum or Language subject (3 unit)		LSP404/2 English Language					15	
												EAP316/2 Air and Noise Pollution Control		EAP415/2 Solid Waste Management		EAP414/2 Industrial waste Management		
												EAH316/2 Hydraulic Structure		EAH417/2 Urban Water Management		EAH416/2 River Conservation and Rehabilitation		
	o (arecidu												EAS358/2 Timber Engineering		EAS453/2 Sustainable Concrete Materials and Practises		EAS456/2 Advanced Structural Analysis	42
	ELECTIVE COURSES (SPECIALISATION)											EAG348/2 Sustainable Geotechnical Methods		EAG443/2 Rock Engineering and Tunneling Technology		EAG444/2 Soil Stabilization and Ground Improvement	12	
												EAL338/2 Sustainable Transport		EAL431/2 Highway Design and Road Safety Audit		EAL434/2 Transport Planning Process and TIA		
												EAK382/2 Geographical Information System		EAA485/2 Disaster Management	Tot	EAA486/2 Project Management tal Units for Graduation	135	

Dikemaskini : 15 Ogos 2014 - Buku Panduan Rancangan Pengajian Sidang Akademik 2014/2015

CURRICULUM STRUCTURE – BACHELOR OF ENGINEERING (CIVIL ENGINEERING) FOUR YEAR PROGRAMME [OBE] ACADEMIC SESSION 2013/2014

Туре	Category	LEVEL 100				L	EVEL 20	00		L	EVEL 30	10		LEVEL 400			
CORE		SEMESTER 1 EUM 113/3 Engineering Calculus		SEMESTER 2 EUM 114/3 Advanced Engineering Calculus		SEMESTER 1 EAA211/2 Engineering Mathematics for Civil Engineers		SEMESTER 2 EAH 225/3 Hydraulics	-	SEMESTER 1 EAL 334/4 Highway Engineering		SEMESTER 2 EAL 335/4 Transportation, Traffic Eng.		SEMESTER 1 EAA 493/3 Integrated Design Project		SEMESTER 2 EAA 492/6 (3) Final Year Project (This is 2 semester subject)	
		EBS 101/3 Engineering Geology		EEU 104/3 Electrical Technology	SEMESTER BREAK	EAH 221/3 Fluid Mechanics for Civil Engineers		Structural Analysis	EAA 384/2 Construction Technology		EAH 325/3 Engineering Hydrology	EAA371 INC	EAA 483/2 Construction Management				
	Core	EBB 113/3 Engineering Materials		EAS 152/3 Strength of Materials		EAS 253/3 Theory of Structures		EAG 245/3 Soil Mechanics		EAS 353/3 Reinforced Concrete Structure Design I		EAS 354/3 Timber and Steel Structural Design	USTRIAL T	EAA 455/2 Reinforced Concrete Structure Design			
	Engineering Core	EMM 101/3 Engineering Mechanics	SEMESTER BREAK	EAK 263/4 Geomatic Engineering		EUP 222/3 Engineers in Society	SEMESTER BREAK	EAP 215/3 Water Supply & Water Treatment Eng.		EAG 345/3 Geotechnical Analysis	SEMESTER BREAK	EAG 346/2 Geotechnical Design	EAA371 INDUSTRIAL TRAINNING FOR 10 WEEK (Register in semester 1 Year 4)	EAA 492/6 (3) Final Year Project (This is 2 semester subject register in semester 1)	SEMESTER BREAK		
		EEU 101/2 Computer Programming	~			EAA 273/2 Civil Engineering Practice	Î			EAP 313/2 Waste Water Engineering			R 10 WEEK r 4)	EAA 371/5 Industrial Training			
		EAS 181/2 Concrete Technology EAA 110/2											(Register				
	ż	Civil Eng. Drawing				EAA 204/2 Structure and Strength of	of	EAA 203/2 Concrete, Structure & Fluid		EAA 305/2 Environment, Hydraulic		EAA 304/2 Geotechnical, Highway & Traffic Eng.	Ē				-
	Labs.	18		13		Materials Laboratory		Mechanics Eng. Laboratory 14		& Geotechnical Eng. Laboratory 16		Laboratory 14		15		3	108
				LKM400/2 Malay Language		LSP404/2 English Language		HTU 223/2 Asia & Islamic		Co-Curriculum or Language subject (1							
Univer	sity			LSP300/2		Co-Curriculum or Language subject (1		Civilisation SHE 101/2 Ethnic Study	ŀ	unit)							15
Require	ment			English Language WUS 101/2 Core Entrepreneurship	101/2 Core	unit)	Co-Curriculum or Language subject (1	Co-Curriculum or Language subject (1									15
	Compulsory							unit)						EAP 411/3 EIA & Solid Waste Management			
										EUP 301/3 Engineering Management	-	EAS 355/2 Advanced Concrete Technology		EAK 465/2 Geographical Information System			
VE	Choice								-			EAA 393/2 Computation and Problem Solving in Civil Eng.		EAH 416/2 River Conservation & Rehabilitation		EAS 453/2 Pre-Stressed Concrete Design	
ELECTIVE	Program															EAS 454/4 Advanced Structural Engineering EAL 432/4 Advanced Highway & Transportatior Eng. EAP 412/4 Environmental Studies EAH 422/4 Advanced Water Resources Eng. EAG 442/4 Advanced Geotechnical Eng. al Units for Graduation	