‘The Ability to Think, Analyze and Evaluate’

FACULTY OF ENGINEERING

BACHELOR OF ENGINEERING WITH HONOURS

BPKP CODE	PROGRAMMES CODE
HK01	**Civil Engineering**

For further inquiries, please contact :-

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Course Structure Session 2015 / 2016

HK01 Civil Engineering

	Year 1		Year 2		Year 3		Year 4	
	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8
UNIVERSITY CORE (PROMOTION OF KNOWLEDGE) (8 CREDIT HOURS)	**UW00202** Islam and Asian Civilisation (2 credit hours)	**UW00102** Ethnic Relations (2 Credit Hours) **UCxxx02** (Choose 1 uc Only) (4 credit hours)	**UW00302** Fundamentals of Entrepreneurial Acculturation (2 credit hours)					
UNIVERSITY CORE LANGUAGE (8 CREDIT HOURS)	**UB00202** Oral Communication in English (For Student MUET Band 1 and 2) (2 credit hours)	**UB00102** Communicative English Grammar (For Student MUET Band 1 and 2) (2 credit hours)	**UB00702** English For Occupational Purposes (For Student MUET Band 1 and 2) (2 credit hours)	**UB00302** Reading And Writing In English (For Student MUET Band 1 and 2) (2 credit hours)				
	UB00602 Grammar In Context (For Student MUET Band 3,4,5 & 6) (2 credit hours)	**UB00402** Academic Reading and Writing (For Student MUET Band 3,4,5 & 6) (2 credit hours)	**UB02002** English For Employment (For Student MUET Band 3,4,5 & 6) (2 credit hours)	**UB00502** English For Research Purposes (For Student MUET Band 3,4,5 & 6) (2 credit hours)				
UNIVERSITY CORE CO-CURRICULUM (3 CREDIT HOURS)	**EXXXX3** Co-Curriculum (3 credit hours)							

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HK01 Civil Engineering

	Year 1		Year 2		Year 3		Year 4	
	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8
PROGRAMME CORE (107 CREDIT HOURS)	**KA04403** Calculus I **KA10102** Civil Engineering Material **KA10302** Civil Engineering Drawing **KA10502** Engineering Geology (9 credit hours)	**KA05503** Calculus II **KA06603** Engineering Programming **KA10603** Applied Mechanics **KA10802** Construction Technology (11 credit hours)	**KA20102** Engineering Statistics **KA20502** Differential Equation **KA20703** Fluid Mechanics **KA20903** Mechanics of Solids **KA21102** Contract And Estimation (12 credit hours)	**KA21002** Electrical Technology **KA20403** Engineering Survey **KA20602** Numerical Analysis **KA20801** Survey Camp **KA21403** Theory of Structure **KA21603** Geotechnical Engineering 1 **KA21801** Concrete and Material Lab (15 credit hours)	**KA31702** Hydraulic and Structural Lab **KA31903** Reinforced Concrete Design 1 **KA30902** Hydraulics **KA30303** Concrete Technology **KA31503** Theory of Structure 2 **KA31303** Geotechnical Engineering 2 (16 credit hours)	**KA09903** Management and Accounting for Engineers **KA30005 (LI)** Industrial Training **KA30203** Hydrology **KA30603** Steel and Timber Design **KA31802** Geotechnical and Highway Lab **KA31403** Reinforced Concrete Design 2 **KA31603** Highway Engineering (22 credit hours)	**KA08803** Ethics and Law for Engineers **KA40102** Traffic Engineering **KA40302** Project Management **KA40503** Environmental Engineering **KA40901** Environmental and Traffic Lab **KA00102** Project I (13 credit hours)	**KA40202** Foundation Design **KA40403** Design Project **KA00204** Project II (9 Credit Hours)
PROGRAMME CORE (ELECTIVE) (9 CREDIT HOURS)							**KA4XX03** Elective I (3 credit hours)	**KA4XX03** Elective II **KA4XX03** Elective III (6 credit hours)
TOTAL (135 CREDIT HOURS)	16	17	16	17	16	22	16	15

***Notes:**

: Language Requirements For Student MUET Band 1 and 2 & For Student MUET Band 3,4,5 & 6. Please Refer to PPIB Guidebook.

STUDENT CREDIT HOURS

: Core University (Upgrade Knowledge) + Core University (Language) + Core University (Co-Curriculum) + Core Program + Core Program (Elective)
: 8 Credit Hours + 8 Credit Hours + 3 Credit Hours + 107 Credit Hours + 9 Credit Hours
: 135 Credit Hours

ELECTIVE

I	II	III
KA41503 Advanced Geotechnical Engineering	**KA42003** Advanced Concrete Technology	**KA43003** Advanced Project Management
KA41703 Introduction to GIS	**KA42203** Water and Wastewater Engineering	**KA43203** Transportation Engineering
KA41903 Finite Element Method	**KA42403** Advanced Structural Design	**KA43403** Advanced Environment Engineering