

Faculty of Engineering

Department of Civil Engineering

Courses mapping to POs

Courses Offered to Civil Engineering Programme				Programme Outcomes											
				Engineering Knowledge	Problem Analysis	Design Solutions for Civil Engineering Problems	Research Based Investigations for Complex Civil Engineering Problems	Apply Appropriate Techniques with Modern Engineering Tools	Apply knowledge to Issues relevant to Professional Practice	Impact of Professional Engg Solutions in societal and environmental context	Apply ethical principles	Effective Communication (oral & written)	Leadership, Teamwork	Independent and Life-long Learning	Demonstrate KNOWLEDGE to Apply Engineering and Management Principles
Year	Sem	Code	Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	1	MPU3173	Malaysian Studies 3								X				
		JEGR1102	Engineering Graphics	X		X		X				X			
		JAPM1103	Applied Mechanics	X	X	X									
		JEMA1113	Engineering Mathematics I	X	X	X									
		JESU1203	Engineering Surveying	X	X	X		X							
		MPU2133	Bahasa Melayu Komunikasi 2									X			
		LENG1024	English for Technical Communication									X			
	2	JESL1203	Engineering Survey (Lab/Field Work)	X	X	X		X							
		JENG1203	Engineering Geology	X	X	X									
		JEMA1223	Engineering Mathematics II	X	X	X						X			
		JSTM1203	Strength of Materials	X	X	X									
		LENG1063	English for Professional Communication									X			
2	1	JEMA2133	Engineering Mathematics III	X	X	X						X			
		JFLM2103	Fluid Mechanics	X	X	X									
		JSTA2113	Structural Analysis I	X	X	X									
		JSTD2113	Structural Design I	X	X	X									
		MPU3312	Ideological Invasion							X					
		MPU3222	Entrepreneurship								X	X	X	X	X
	2	JSTD2223	Structural Design II	X	X	X									
		JCEM2203	Civil Engineering Materials	X		X				X					
		JSOM2213	Soil Mechanics I	X	X	X									
		JSTA2223	Structural Analysis II	X	X	X									
		JHYD2203	Hydraulics	X	X	X									
		MPU3412	Co-Curriculum (Community Service)								X	X	X		
3	1	JCEC3103	Civil Engineering Construction	X		X				X					
		JSOM3123	Soil Mechanics II	X	X	X									
		JSTA3133	Structural Analysis III	X	X	X									
		JSTD3133	Structural Design III	X	X	X									
		JEHY3103	Engineering Hydrology	X	X	X									
		JREM3101	Research Methodology	X	X			X			X	X			
	2	JCOM3203	Contract Management	X	X						X	X			X
		JGTE3203	Geotechnical Engineering	X	X	X		X		X					
		JWSE3203	Water Supply Engineering	X	X	X		X		X					
		JHIT3203	Highway and Traffic Engineering	X	X	X									
		JENV3202	Environmental Engineering	X	X	X				X					
4	1	JNUA3203	Numerical Analysis	X	X	X									
		JPRT4426	Practical Training	X	X	X		X	X		X	X	X		X
		JFEM4363	Finite Element Method	X	X	X									
		JCFP4112	Civil Engineering- Final Year Project I	X	X	X	X	X	X	X	X	X			X
		New Subject JMES4103	Mechanical and Electrical Enggineering Services	X	X	X		X	X	X					
	2	JSTD4353	Structural Design IV	X	X	X									
		JPCF4102	Project Cost and Financing	X								X			X
		JCSD4204	Civil and Structural Engineering Integrated Design	X	X	X	X	X	X	X	X	X	X	X	
		JCFP4224	Civil Engineering- Final Year Project II	X	X	X		X	X	X	X	X		X	
		JENS3092	Engineer in Society	X		X			X	X		X	X		
		JCOM4343	Construction Project Management	X	X			X	X	X	X	X	X	X	X