LESSON PLAN

1	**Course Name:**	**FINAL YEAR PROJECT I**
	Course Code:	**BFC43402**
	Course Classification:	Major (core)
2	**Synopsis:**	Final Year Project (FYP) is a form of training and exposure to engineering research undertaken by students independently and systematically under the guidance of a supervisor selected among academicians. The project focuses on a particular field of knowledge, the use of principles and related concepts and the application of techniques dealing with complex yet relevant engineering problems. Students are required to carry out the project individually. The project consists of 2 phases, i.e. FYP 1 and FYP 2, which are conducted consecutively in the final year of the program. Two credit hours are assigned to FYP 1 and four credit hours are assigned to FYP 2. For this course, students are required to plan and organise the research project that will be executed in FYP 2 and determine the expected results. Students will have to identify the research aim and objectives, prepare the literature review, design the research methodology and draft a proposed work plan. At the end of this course, each student is required to submit a project proposal report. The report should comply with the prescribed format. The student is also required to present his/her project proposal in front of an examination panel.
3	**Name(s) of Academic Staff Teaching This Course:**	1 Dr. Zalipah binti Jamellodin (Coordinator) 2 All academic staff who have been appointed as Supervisor
4	**Semester and Year offered:**	Year Offered 4 Semester — *Remarks: SEMESTER II SESSION 2022/2023*
5	**Credit Value:**	2
6	**Pre-requisite/ co-requisite (if any):**	96 credits

7 **Course Learning Outcome(s)**

CLO	Statement	UTHM LOD	Taxonomy Level
CLO1	Plan research work using proper research techniques, and existing knowledge and skills (LOD2-PLO2-C5)	LOD2	C5
CLO2	Organise planned research work systematically and communicate the findings effectively through report writing and oral presentation (LOD8-PLO10-P5)	LOD8	P5
CLO3	Adapt to changes required to research, based on availability of resources, technological improvements, and recommendations from the research supervisor and/or examination panel (LOD13-PLO12-A4)	LOD13	A4

8 Mapping of the Course Learning Outcomes to the Programme Learning Outcomes, Teaching Methods and Assessment Methods

CLO	Programme Learning Outcomes (PLO)												Teaching Methods	Assessment Methods	KPI
	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10	PLO 11	PLO 12			
CLO1		√											Project	Draft Proposal / Log Book	50% students achieved 55% marks
CLO2										√			Project	Draft Proposal / Presentation	50% students achieved 55% marks
CLO3												√	Project	Draft Proposal	50% students achieved 55% marks
Mapping with MQF Cluster of Learning Outcomes		C2								C3C		C4A	Indicate the primary causal link between the CLO and PLO by ticking 'V' in the appropriate box. C1 = Knowledge & Understanding, C2 = Cognitive Skills, C3A = Practical Skills, C3B = Interpersonal Skills, C3C = Communication Skills, C3D = Digital Skills, C3E = Numeracy Skills, C3F = Leadership, Autonomy & Responsibility, C4A = Personal Skills, C4B = Entrepreneurial Skills, C5 = Ethics & Professionalism		

9 Transferable Skills (if applicable)

Skills learned in the course of study which can be useful and utilized in other settings.
Note: Refer to MQF Cluster Mapping in Section 8

1	Cognitive skills
2	Personal skills
3	Communication Skills

Open-ended response (if any)

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10 Distribution of Student Learning Time (SLT)

	Continous Assessement	CLO	%	Week	Face-to-Face (F2F)				NF2F	SLT
					Physical		Online/ Technology-mediated (Synchronous)		Independent Learning for Assessment (Asynchronous)	
					Theory	Practical	Theory	Practical		
1	Proposal Report	1 2 3	65	13	17				39	56
2	Presentation	1 2 3	35	16	4				20	24
3										
4										
	SUB-TOTAL MARKS:		**100**		**SUB-TOTAL SLT:**					**80**

	Final Assessement	CLO	%	Week	Face-to-Face (F2F)				NF2F	SLT
					Physical		Online/ Technology-mediated (Synchronous)		Independent Learning for Assessment (Asynchronous)	
					Theory	Practical	Theory	Practical		
1										
2										
3										
4										
5										
	SUB-TOTAL MARKS:				**SUB-TOTAL SLT:**					

	SLT for Assessment:	**80**
	GRAND TOTAL SLT:	**80**
A	% SLT for F2F Physical Component: *[Total F2F Physical /(Total F2F Physical + Total F2F Online + Total Independent Learning) x 100)]*	
B	% SLT for Online & Independent Learning Component: *[(Total F2F Online + Total Ind. Learning) /(Total F2F Physical + Total F2F Online + Total Ind. Learning) x 100]*	
C	% SLT for All Practical Component: *[% F2F Physical Practical + % F2F Online Practical + % WBL]*	
C1	% SLT for F2F Physical Practical Component *[(Total F2F Physical Practical + WBL)/(Total F2F Physical + Total F2F Online + Total Independent Learning) x 100)]*	
C2	% SLT for F2F Online Practical Component *[Total F2F Online Practical / (Total F2F Physical + Total F2F Online + Total Independent Learning) x 100]*	

Please tick (√) if this course is **Industrial Training/Teaching Practice** using 50% of Effective Learning Time (ELT)	
Please tick (√) if this course is **Work Based Learning** using 80% of Effective Learning Time (ELT)	**X**

Note:

* Indicate the CLO based on the CLO's numbering in Item 8

** For ODL programme: Courses with mandatory practical requiremnets imposed by the programme standards or any related standards can be exempted from complying to the minimum 80% ODL delivery rule in the SLT.

*** For WBL programme, the SLT will be scaled by 80% to obtained the ELT

11	**Special requirement or resources to deliver the course (e.g., software, nursery, computer lab, simulation room etc)**	
12	**References (include required and further readings, and should be the most current (less than 5 years))**	1. Guidelines For The Implementation of Final Year Project, Faculty of Civil and Environmental Engineering, Universiti Tun Hussein Onn Malaysia, 2022. 2. Thesis Writing Guide, Centre for Grduate Studies, Universiti Tun Hussein Onn Malaysia, 2012. 3. Ranjit Kumar. Research Methodology: a step-by-step guide for beginners, Sage Publication, 2011. 4. Research Methodology : Methods and Techniques. C.R. Kothari, 2004. https://ebookcentral.proquest.com/lib/uthm-ebooks/detail.action?docID=431524 5. Richard Fellow and Anita Lui, Research method for construction, Wiley Blackwell, 2008. 6. John Creedy, Research without tears : from the first ideas to published output, Edward Elgar Publication, 2008.
13	**Other additional information (if applicable)**	Tawhidic Paradigm Elements (EPT 01 - Intention, EPT 02 - Connection To God, EPT 04 - Integrity, EPT 07 - Wise , EPT 11 - Mastery of Knowledgency, EPT15 - Working culture)
15	**Course Attendance / Regulations**	1. Students must attend not less than 80% of the contact hours for every course including Compulsory Attendance Course (Hadir Wajib – HW) and Attendance Only Course (Hadir Sahaja – HS). 2. Student who does not fulfill (1) of the above is not allowed to attend further lectures and is not allowed to sit for any further assessment. Zero mark (0) will be given to student who fails to comply with (1). As for Compulsory Attendance Course (Hadir Wajib – HW), student who fails to comply with (1) will be given Failure Attendance (Hadir Gagal – HG). 3. Student must follow and obey all the University dress rules and regulations and must discipline themselves to avoid any disciplinary action. 4. Student must obey safety regulations during the learning and teaching process.
16	**Prepared by (Coordinator)** :  **Name** : *Dr. Zalipah binti Jamellodin* **Position** : *Senior Lecturer* **Date** : **16 March 2023**	**Verified by** :  **Name** : *Prof. Ts. Dr. Aziman bin Madun* **Position** : *Head of Civil Engineering Department* **Date** : **16 March 2023**