



FACULTY OF ENGINEERING
UNIVERSITY OF MALAYA

FORM 1: E-LEARNING PLANNER

Subject Code/Name		KVX 8001 – Research Methodology 2021-2022, Sem 1				
Subject Lecturer(s) / Group(s)		Prof. Dr. A. S. M. A. Haseeb				
Week	Date/ Time	Topics	Learning		Assessment	
			Learning	Feedback	Method(%)	CO
1	30 Oct 2021 (10am – 1pm)	<u>Module 1: Introduction</u> 1.1 Course Information 1.2 Methodology, History and Philosophy of Research	Hybrid: Physical/Online and recorded Lecture (MS Teams)	Forum (Spectrum) /WhatsApp		
2	06 Nov 2021 (10am – 1pm)	1.3 Research, Development and Innovation Landscape 1.4 Stages in Graduate Research	Hybrid: Physical/Online and recorded Lecture (MS Teams)	Forum (Spectrum) /WhatsApp		
3	13 Nov 2021 (10am – 1pm)	<u>Module 2: Literature Review, Experimental Design and Research Proposal</u> 2.1 Literature Review 2.2 Identification of Research Problem	Hybrid: Physical/Online and recorded Lecture (MS Teams)	Forum (Spectrum) /WhatsApp		
4	20 Nov 2021 (10am – 1pm)	2.3 Research Methodology and Experimental Design 2.4 Design of Experiments	Hybrid: Physical/Online and recorded Lecture (MS Teams)	Forum (Spectrum) /WhatsApp		
5	27 Nov 2021 (10am – 1pm)	2.5 Proposal Writing	Hybrid: Physical/Online and recorded Lecture (MS Teams)	Forum (Spectrum) /WhatsApp	Continuous assessment: Identification of research problem (25%)	CO1
6	04 Dec 2021 (10am – 1pm)	<u>Module 3: Thesis Writing</u> 3.1 UM Guidelines and Format for Thesis	Hybrid: Physical/Online and recorded Lecture (MS Teams)	Forum (Spectrum) /WhatsApp		

7	18 Dec 2021 (10am – 1pm)	3.2 Contents of a PhD thesis and Thesis Writing Tips	Hybrid: Physical/Online and recorded Lecture (MS Teams)	Forum (Spectrum) /WhatsApp	Continuous assessment: Identify appropriate research technique and experimental design (20%)	CO2
8	18 Dec 2021 (2pm – 5pm)	Module 4: Paper Writing 4.1 Scientific Paper Writing: Introduction 4.2 Journal Impact Factor, Quartile, h-Index etc.	Hybrid: Physical/Online and recorded Lecture (MS Teams)	Forum (Spectrum) /WhatsApp		
9	01 Jan 2022 (10am – 1pm)	4.3 Analysis of Contents of a Scientific Research Paper	Hybrid: Physical/Online and recorded Lecture (MS Teams)	Forum (Spectrum) /WhatsApp		
10	08 Jan 2022 (10am – 1pm)	4.4 Review Paper Writing 4.5 Submission to Journals and Dealing with Reviewers	Hybrid: Physical/Online and recorded Lecture (MS Teams)	Forum (Spectrum) /WhatsApp	Continuous assessment: Review paper (25%)	CO4
11	15 Jan 2022 (10am – 1pm)	<u>4.6 Ethical Issues</u> <u>4.7 Language</u>	Hybrid: Physical/Online and recorded Lecture (MS Teams)	Forum (Spectrum) /WhatsApp		
12	22 Jan 2022 (2pm – 5pm)	Module 5: Graduate Research Skills <u>5.1 Attributes and Skills of a Researcher</u> <u>5.2 Review of Basic Writing Skills in English</u>	Hybrid: Physical/Online and recorded Lecture (MS Teams)	Forum (Spectrum) /WhatsApp		
13	29 Jan 2022 (10am – 1pm)	5.3 Scientific Paper Presentation 5.4 Attending Conferences	Hybrid: Physical/Online and recorded Lecture (MS Teams)	Forum (Spectrum) /WhatsApp	Continuous assessment: Proposal (30%)	CO3
14	29 Jan 2022 (2pm – 5pm)	5.5 Time Management 5.6 Additional Tips for Graduate Research	Hybrid: Physical/Online and recorded Lecture (MS Teams)	Forum (Spectrum) /WhatsApp		
(E) 1	3 Jul 2021	Presentation of research proposal			Continuous assessment: Proposal (30%)	
(E) 2						

*Exact time of exam will be announced later and is subject to the exam timetable schedule. **Separate session will be organized for software training