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|  | **FACULTY OF ENGINEERING**  **UNIVERSITY OF MALAYA** |
| **FORM 1: E-LEARNING PLANNER** |

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| **Subject Code/Name** | | | **KQX 7001 – RESEARCH METHODOLOGY (MSc)** | | | | |
| **Subject Lecturer(s) / Group(s)** | | | **Ir. Dr. Lai Khin Wee** | | | | |
| **Week** | **Date/**  **Time** | **Topics** | | **Learning** | | **Assessment** | | |
| ***Learning*** | ***Feedback*** | ***Method(%)*** | ***CO*** | |
| **1** | 23 Oct 2021 | Course Information  Methodology, History and Philosophy of Research | | *Online and recorded Lecture (MS Teams)* | Forum (Spectrum) /WhatsApp |  |  | |
| **2** | 30 Oct 2021 | Research, Development and Innovation Landscape  Stages in Graduate Research | | *Online and recorded Lecture (MS Teams)* | Forum (Spectrum) /WhatsApp |  |  | |
| **3** | 6 Nov 2021 | Literature Review  Identification of Research Problem | | *Online and recorded Lecture (MS Teams)* | Forum (Spectrum) /WhatsApp |  |  | |
| **4** | 13 Nov 2021 | Research Methodology and Experimental Design  Design of Experiments | | *Online and recorded Lecture (MS Teams)* | Forum (Spectrum) /WhatsApp |  |  | |
| **5** | 20 Nov 2021 | Scientific Paper Writing: Introduction  Journal Impact Factor, Quartile, h-Index etc | | *Online and recorded Lecture (MS Teams)* | Forum (Spectrum) /WhatsApp | Review writing (25%) | CO4 | |
| **6** | 27 Nov 2021 | UM Guidelines and Format for Thesis | | *Online and recorded Lecture (MS Teams)* | Forum (Spectrum) /WhatsApp |  |  | |
| **7** | 4 Dec 2021 | Thesis Writing Tips  Find thesis / criticize it | | *Online and recorded Lecture (MS Teams)* | Forum (Spectrum) /WhatsApp | Class participation (25%) | CO1 | |
| **8** | 18 Dec 2021 | Journal paper writing | | *Online and recorded Lecture (MS Teams)* | Forum (Spectrum) /WhatsApp |  |  | |
| **9** | 25 Dec 2021 | Analysis of Contents of a Scientific Research Paper | | *Online and recorded Lecture (MS Teams)* | Forum (Spectrum) /WhatsApp |  |  | |
| **10** | 1 Jan 2022 | Publishers, Journal submission platforms, reviewer’s comments | | *Online and recorded Lecture (MS Teams)* | Forum (Spectrum) /WhatsApp | Proposal submission (25%) | CO3 | |
| **11** | 8 Jan 2022 | Ethical Issues  Language | | *Online and recorded Lecture (MS Teams)* | Forum (Spectrum) /WhatsApp |  |  | |
| **12** | 15 Jan 2022 | Attributes and Skills of a Researcher  Review of Basic Writing Skills in English | | *Online and recorded Lecture (MS Teams)* | Forum (Spectrum) /WhatsApp |  |  | |
| **13** | 22 Jan 2022 | Proposal Presentation | | *Online and recorded Lecture (MS Teams)* | Forum (Spectrum) /WhatsApp | Proposal Presentation (25%) | CO2 | |
| **14** | 29 Jan 2022 | Proposal Presentation | | *Online and recorded Lecture (MS Teams)* | Forum (Spectrum) /WhatsApp | Proposal Presentation (continue) |  | |
| **(E) 1** |  |  | | | |  |  | |
| **(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*