**CLASS SCHEDULE FOR**

**RESEARCH METHODOLOGY AND DATA ANALYSIS (MPU/PPU0020, MPPU 1060/1074) SESSION 2017/2018 – 3**

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| **MODULE** | **DATE** | **SLOT 1** | **SLOT 2** | **SLOT 3** | **SLOT 4** |
| **8.30-10.30am** | **11.00am-1.00pm** | **2.00-4.00pm** | **4.00 – 5.00pm** |
| **MODULE 1**  **QUANTITATIVE RESEARCH METHODOLOGY** | Sunday  (8/7/2018) | **Overview of**  **Research Methodology**  (Paradigm/philosophy and general structure of conducting research)  *(AP Dr. Zainudin Abu Bakar)*  ***Venue : Seminar Room 1,D05, Level 3, Language Academy*** | **Ethics, Plagiarism and Literature Review**  ***Turn-it-in***  ***(****AP Dr. Al-Muzzammil Mohd Yassin)*  ***Venue : Seminar Room 1,D05, Level 3, Language Academy*** | **Overview of Quantitative Research Methodology**  (Paradigm/philosophy, general issues of quantitative research, problems, design, sampling, instruments, analysis)  *(Prof. Dr. Mohamed Najib bin Abdul Ghaffar)*  ***Venue : Seminar Room 1,D05, Level 3, Language Academy*** | **Learning Summary**  *(AP Dr Zainudin Abu Bakar, AP Dr Al-Muzzammil Mohd Yassin, Prof Dr Mohamad Najib Ghaffar)*   * Mind Map * Short summary * Chart   ***Venue : Seminar Room 1,D05, Level 3, Language Academy*** |
| Monday  (9/7/2018) | **Quantitative Research Design**  Survey, experimental, ex-post-facto, correlation, explanatory  *(AP Dr. Mohamad bin Bilal Ali)*  ***Venue : Seminar Room 1,D05, Level 3, Language Academy*** | **Quantitative Data Collection**   * **Instrumentation :** Definition, Meta Data Analysis, Scaling and Calibration, item reliability, and instrument development * **Data Collection**   *(Dr. Adibah Abdul Latif)*  ***Venue : Seminar Room 1,D05, Level 3, Language Academy*** | **Quantitative Population and Sampling**   * Types : Random sampling, systematic sampling, stratified sampling, quota sampling, * Technique of choosing sample * Determining sample size   *(Dr Adibah Abdul Latif)*  ***Venue : Seminar Room 1,D05, Level 3, Language Academy*** | **Learning Summary**  *(AP Dr. Mohamad bin Bilal Ali, Dr Adibah Abdul Latif)*   * Mind Map * Short summary * Chart   ***Venue : Seminar Room 1,D05, Level 3, Language Academy*** |
| Tuesday  (10/7/2018) | **Quantitative Data Analysis 1:**   1. **Descriptive** – Mean, Mode, Median, Standard Deviation 2. **Parametric Tests (Lab based)**: T-test, ANOVA, Correlation, Regression, Multiple Regression) 3. Software : SPSS 4. ***Masters Group*** *– Dr Noor Azean binti Atan*   *Nurul Farhana Jumaat*   1. ***PhD Group*** *– AP Dr Zaleha Ismail & Dr. Norasykin Mohd Zaid)*   ***Venue : Seminar Room 1,D05, Level 3, Language Academy*** | **Quantitative Data Analysis 2:**  **Parametric Tests-continue (Lab based)**:  T-test, ANOVA, Correlation, Regression, Multiple Regression)  Software : SPSS   1. ***Masters Group –*** *Dr. Norah Md Noor, Dr Zakiah Mohamad Ashari* 2. ***PhD Group –*** *AP Dr Zaleha Ismail & Dr. Norasykin Mohd Zaid)*   ***Venue : Seminar Room 1,D05, Level 3, Language Academy*** | **Quantitative Data Analysis 3:**  **Nonparametric Tests (Lab based)**:  Mann Whitney U, Wilcoxon, Kruskal-Wallis, Friedman, Chi Square  Software : SPSS   1. ***Masters Group –*** *Dr. Megat Aman Zahiri,*   *Dr Zakiah Mohamad Ashari*   1. ***PhD Group –*** *AP Dr Zaleha Ismail & Dr. Norasykin Mohd Zaid)*   ***Venue : Seminar Room 1,D05, Level 3, Language Academy*** | **Learning Summary**  *(Dr Noor Azean Atan, Dr Nurul Farhana Jumaat, AP Dr Zaleha Ismail, Dr Megat Aman Zahiri, Dr. Norasykin Mohd Zaid,Dr. Zakiah Mohamad Ashari, Dr. Norah Md. Noor)*   * Mind Map * Short summary * Chart   ***Venue : Seminar Room 1,D05, Level 3, Language Academy*** |

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| **8.30-10.30am** | **11.00am-1.00pm** | **2.00-4.00pm** | **4.00 – 5.00pm** |
| **MODUE 2**  **QUALITATIVE RESEARCH METHODOLOGY** | Wednesday  (11/7/2018) | **Overview of**  **Qualitative Research Methodology**  (philosophy/ paradigm, types, characteristics, sampling, instrumentation**,** data collection and research process)  *(AP Dr. Zainal Abidin Zainuddin)*  ***Venue : Seminar Room 1,D05, Level 3, Language Academy*** | **Qualitative Research Design 1:**  **Phenomenology**  *(Dr. Mahani binti Mokhtar)*  ***Venue : Seminar Room 1,D05, Level 3, Language Academy*** | **Qualitative Research Design 2:**  **Ethnographic: Historical, Developmental**  *(AP Dr. Baharin bin Abu)*  ***Venue : Seminar Room 1,D05, Level 3, Language Academy*** | **Learning Summary**  *(AP Dr Zainal Abidin Zainuddin, Dr Mahani Mokhtar, AP Dr. Baharin Abu)*   * Mind Map * Short summary * Chart   ***Venue : Seminar Room 1,D05, Level 3, Language Academy*** |
| Thursday  (12/7/2018) | **Qualitative Research Design 3:**  **Narrative & Action Research**  *(Dr.Narina Abu Samah)*  ***Venue : Seminar Room 1,D05, Level 3, Language Academy*** | **Qualitative Research Design 4:**  **Case Studies**  *(AP Dr. Abdul Rahim bin Hamdan)*  ***Venue : Seminar Room 1,D05, Level 3, Language Academy*** | **Qualitative Research Design 5:**  **Grounded Theory**  *(Dr Sharifah Osman)*  ***Venue : Seminar Room 1,D05, Level 3, Language Academy*** | **Learning Summary**  *(Dr Narina Abu Samah, AP Dr Abdul Rahim Hamdan, Dr. Sharifah Osman)*   * Mind Map * Short summary * Chart   ***Venue : Seminar Room 1,D05, Level 3, Language Academy*** |
| Sunday  (15/7/2018) | **Qualitative** **Data Analysis and Interpretation**  *(Dr. Sanitah binti Mohd Yusof)*  ***Venue : Seminar Room 1,D05, Level 3, Language Academy*** | **Qualitative Report**  - Discussion  - Report Writing  *(Dr. Zolkifli bin Abdul Hamid)*  ***Venue : Seminar Room 1,D05, Level 3, Language Academy*** | **Qualitative Data Analysis**  **NViVo (Lab based)**   1. *Masters Group – Ms. Marlina binti Ali*   ***Venue : Smart Science Lab***   1. *PhD Group – Dr. Norasyikin Mohd Zaid)*   ***Venue: Seminar Room 1,D05, Level 3, Language Academy*** | **Learning Summary**  *(Dr Sanitah Mohd Yusof,Dr Zolkifli Abdul Hamid , Marlina Ali, Dr Norasykin Mohd Zaid)*   * Mind Map * Short summary * Chart   ***Venue: Seminar Room 1,D05, Level 3, Language Academy*** |

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| **MODULE 3**  **MIXED METHOD RESEARCH METHODOLOGY** | Monday  (16/7/2018) | **Overview of**  **Mixed Method Research Methodology**  (paradigm/ philosophy, types, characteristics, sampling, instrumentation, data collection and research process)  *(Dr. Mohd Safarin bin Nordin & Dr Nur Husna Abd Wahid)*  ***Venue : Seminar Room 1,D05, Level 3, Language Academy*** | **Mixed Method Data Analysis and Application**  Data Analysis (descriptive, inferential, triangulation)  *(Dr. Mohd Shafie bin Rosli & Dr Noor Dayana Binti Abdul Halim)*  ***Venue : Seminar Room 1,D05, Level 3, Language Academy*** | **Mixed Method Data Analysis (cont.)**  ***Discussion and report writing***  Data Analysis (descriptive, inferential,  triangulation)  *(AP Dr. Lokman Tahir)*  ***Venue : Seminar Room 1,D05, Level 3, Language Academy*** | **Learning Summary**  *(Dr Mohd Safarin Nordin, Dr. Nur Husna Abd Wahid, Dr Mohd Shafie Rosli, Dr Noor Dayana Binti Abdul Halim, AP Dr. Lokman Tahir)*   * Mind Map * Short summary * Chart   ***Venue : Seminar Room 1,D05, Level 3, Language Academy*** |

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| **MODULE** | **DATE** | **8.00a.m.-5.00p.m.** |
| **BRIEF PROPOSAL PRESENTATION** | (5 & 6/8/2018 | **SCHEDULE (educ.utm.my)** |

*Specific Notes:*

1. *Students are required to bring laptops for every sessions*
2. *Every students are required to do pre reading prior to the class*
3. *The materials for every slots and sessions can be viewed and downloaded from the E-Learning.*
4. *Students are also required to make summary of their readings based on every topics for about 2-3 pages.*
5. *The summary will be checked & collected by the tutors of every slot at the beginning of the lesson.*
6. *For installing specific software (SPSS, NVIVO, etc.) please get assistance from the computer technicians at the Computer Lab Room (next to the Seminar Room) Person in-charge – En Ali Jawahir (0197557570) En Kamal (0137433848)*

***MPU/PPU 0020, MPPU 1060/1074 RESEARCH METHODOLOGY AND DATA ANALYSIS***

***Course Coordinator:***

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