**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
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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** |
| **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** | **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 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
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***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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