**Research-Methods and Ethics Map**

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|  | **Stage 1** | | **Stage 2** | | | **Stage 4** | | | |
| *Sem. 1,*  *part 1* | **PSYC411 Immersive A: LEARNING** (MAJ)  basic knowledge and understanding of research design and analysis required for formulating research questions, devising testable hypotheses, and collecting and analysing data.  ETHICS, DATA HANDLING, GRAPHING, MEANS, SDs, INTRO TO INFERENTIAL TESTING, T-TEST, WITHIN/BETWEEN, PROBABLILITY/SIGNIFICANCE | | **psyc511 Research skills in practice 1**  (MAJ)  **1A**  TESTING DIFFS USING ANOVA  Develop simple research question. Design, construct materials, run, analyse, evaluate, and report.  Ethics.  One-way BETWEEN-S ANOVA.  GROUP ORAL PRES.  **1B**  TESTING DIFFS USING MULTIFACTORIAL ANOVA.  EXTEND STUDY BY ADDITION OF WITHIN-S FACTOR.  Bayesian alternatives. Written Communication of Research.  ASSESSMENT LINKED TO STUDY-IMPROVEMENT REQUIREMENT | **PSYC513** **COGNITIVE AND BIOLOGICAL PSYCHOLOGY**  (MAJ)  Lab+: Analyse data set to answer MCQ; Interpreting papers; UNDERSTANDING ANOVA, EEG analysis; plotting data; 3D brain. | **PSYC515**  **HEALTH AND WELLBEING** | **PSYC611 ADVANCED TOPICS IN PSYCHOLOGY 1**  (MAJ)  OPTION-SPECIFIC LAB+ ACTIVITIES  E.G. Lab+: Take part in demos (e.g., Simon effect, Stroop, perceptual effects, hypnosis); Run a small experiment; Run analysis on a data set; Administer tests of assessments; Be a practitioner (e.g., assess imaginary patients, match brain images to patients, consider interventions or treatments). | **PSYC602 ADVANCED TOPICS IN PSYCHOLOGY 2**  OPTION-SPECIFIC LAB+ ACTIVITIES | **M&S**  ADVANCED STATISTICAL METHODS  DESIGN  ETHICS  PROGRAMMING  SYSTEMATIC REVIEWING  PICTURE WORTH 1000 WORDS  PRESENTING  WHAT TO DO WITH NON-SIGNIFICANT DATA | **Project**  (40 cr)  (MAJ) |
| *Sem. 1,*  *part 2* | **PSYC412 INTRO TO PSYC SCIENCE**  (MAJ)  basic skills in descriptive data handling and interpretation.  All Intro modules- Lab+ demonstration of applied practice/ situation. Describe a range of theories, hypotheses and methodologies from psychology. Be able to successfully conduct practical activities associated with psychological applications or experiments.  LAB+ TO INC PRACTICE OF SKILLS ABOVE | **PSYC413 DEBATES IN PSYC SCI**  basic skills in descriptive data handling and interpretation. Controversies-introduction into scientific process and the use of empirical data to distinguish between alternative explanations. Practical activities that expose the differences between competing theory, methodology, or practice associated with the topics in psychology.  LAB+ TO INC PRACTICE OF SKILLS ABOVE |
| *Sem. 2,*  *part 1* | **PSYC414 Immersive B: RELATIONSHIPS** (MAJ)  key basic skills in descriptive data handling and interpretation; ethics  LO3: Explain and compare different methodologies. Analyse large secondary data. Use IAT. Tutorials - Analyse social interactions in favourite soap operas, using observational methods.  INFERENTIAL TESTING, CORRELATION, CHI2, AWARENESS OF DIFFERENT DATA TYPES (SEE LEVEL SPEC) | | **psyc512 Research skills in practice 2**  **2A**  TESTING ASSOCIATION USING CORRELATION  Design, construct materials, run, analyse, evaluate, and report.  Ethics. CI/Power,  Current Issues in Psychology Research  INDIVIDUAL ORAL PRES.  **2B**  TESTING ASSOCIATION USING MULTIPLE REGRESSION  Ethics, Linear/Multiple Regression, Current Issues in Psychology Research  ASSESSMENT LINKED TO STUDY-IMPROVEMENT REQUIREMENT | **PSYC514**  **individual differences, Social and developmental Psychology**  (MAJ)  Lab+: Qualitative; psychometrics; Bias.  LO: score a questionnaire and calculate Cronbach’s alpha. Demonstrate understanding of validity and reliability issues in psychometrics | **PSYC516** **APPLIED PSYCHOLOGY**  **Psychology in the Real world** | **PSYC613 ADVANCED TOPICS IN PSYCHOLOGY 3**  (MAJ)  OPTION-SPECIFIC LAB+ ACTIVITIES | **PSYC604 ADVANCED TOPICS IN PSYCHOLOGY 4**  OPTION-SPECIFIC LAB+ ACTIVITIES |
| *Sem. 2,*  *part 2* | **PSYC415 TOPICS IN PSYCHOLOGY**  (MAJ)  key basic skills in descriptive data handling and interpretation. 2 linked group-based Lab+ activities. Data collection and analysis: chi2, psychometrics, t-test, correlation.  LAB+ TO INC PRACTICE OF SKILLS ABOVE | **PSYC416 PSYCHOLOGY AND BEYOND**  key basic skills in descriptive data handling and interpretation. 2 linked group-based Lab+ activities. Data collection and analysis: Questionnaire design, discretion of topic leader.  LAB+ TO INC PRACTICE OF SKILLS ABOVE |

**Extra:**

Research apprentice; Participation points; Placement year; Voluntary work