1. **Kent Vision Code and title of the module**

PSYC8011 Research Methods and Essential Statistics

1. **Division and school which will be responsible for management of the module**

Division of Human and Social Sciences, School of Psychology

1. **The level of the module (Level 4, Level 5, Level 6 or Level 7)**

Level 7

1. **The number of credits and the ECTS value which the module represents**

10 Credits (5 ECTS)

1. **Which term(s) the module is to be taught in (or other teaching pattern)**

Autumn

1. **Prerequisite and co-requisite modules and/or any module restrictions**

None

1. **The courses of study to which the module contributes**

Compulsory to:

MSc Organisational and Business Psychology

MSc Cognitive Psychology/Neuropsychology

MSc Developmental Psychology

MSc Forensic Psychology

MSc Political Psychology

MSc Social Psychology

Also compulsory on Psychology Postgraduate Research Courses.

Also available as an elective module.

1. **The intended subject specific learning outcomes.  
   On successfully completing the module students will be able to:**

8.1 Demonstrate conceptual understanding of the rationale and technique of different qualitative approaches in research methodology;

8.2 Demonstrate conceptual understanding of the rationale and technique of different quantitative approaches in research methodology;

8.3 Demonstrate a systematic understanding of the logic of statistical inference, and of current best practices in reporting evidence in psychology;

8.4 Use appropriate statistical software to conduct analyses and to specify and test statistical models taught in the course;

8.5 Interpret and critically evaluate results of statistical analyses and outputs of statistical software, making inferences from results in applied settings and devising appropriate hypotheses/conclusions;

8.6 Understand, generate, and critically evaluate results of descriptive and inferential statistics as they would be reported in applied and basic psychological literature.

1. **The intended generic learning outcomes.  
   On successfully completing the module students will be able to:**

9.1 Appreciate theoretical positions and controversies related to psychological methods and basic inferential statistics;

9.2 Demonstrate an appreciation of the diverse applications of qualitative research, quantitative research, and inferential statistics and their relevance to the student’s field of study and social sciences more broadly;

9.3 Acquire or improve competence in the use of statistical software to manage and code data, and to conduct inferential analyses for a range of applications.

9.4 Act autonomously in problem-solving and be able to communicate observations to specialist and non-specialist audiences

1. **A synopsis of the curriculum**

This module provides a postgraduate-level orientation to essential contemporary statistical and methodological issues. Students will learn techniques typically used for research in psychology and other disciplines that use sampling statistics. The methodological issues considered include qualitative research methodologies; experimental, quasi-experimental, and correlational research designs in the laboratory and field; and issues surrounding the replicability and reporting of research. The statistical techniques taught include univariate and multivariate descriptive and inferential statistics; ANOVA as a form of general linear model; correlation and linear multiple regression; and nonparametric tests such as chi-square.

1. **Reading list (Indicative list, current at time of publication. Reading lists will be published annually)**

## The University is committed to ensuring that core reading materials are in accessible electronic format in line with the Kent Inclusive Practices.

## The most up to date reading list for each module can be found on the university's [reading list pages](https://kent.rl.talis.com/index.html).

1. **Learning and teaching methods**

Total contact hours: 30

Total private study hours:70

Total module study hours: 100

1. **Assessment methods**
   1. Main assessment methods

Weekly workshop Quizzes 20%

Theory ICT 1 (mid-term) 20% (30 minutes)

Theory ICT 2 (end of term) 20% (30 minutes)

Computing ICT 1 (mid-term) 20% (30 minutes)

Computing ICT 2 (end of term) 20 % (30 minutes)

13.2 Reassessment methods

Like for like

1. ***Map of module learning outcomes (sections 8 & 9) to learning and teaching methods (section12) and methods of assessment (section 13)***

**Module learning outcomes against learning and teaching methods:**

| **Module learning outcome** | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 9.1 | 9.2 | 9.3 | 9.4 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Private Study* | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |  |
| *Lectures* | **x** | **x** | **x** |  |  | **x** | **x** | **x** |  | **X** |
| *Computing workshop* |  |  |  | **x** | **x** | **x** |  |  | **x** | **X** |

**Module learning outcomes against assessment methods:**

| **Module learning outcome** | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 9.1 | 9.2 | 9.3 | 9.4 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *computing assignments* |  |  |  | **x** | **x** |  |  |  | **x** | **x** |
| *Theory ICT 1* | **x** | **x** | **x** |  |  | **x** | **x** | **x** |  |  |
| *Theory ICT 2* | **x** | **x** | **x** |  |  |  | **x** | **x** |  |  |
| *Computing ICT 1* |  |  |  | **x** | **x** | **x** |  |  | **x** | **x** |
| *Computing ICT 2* |  |  |  | **x** | **x** | **x** |  |  | **x** | **x** |

1. **Inclusive module design**

The Division recognises and has embedded the expectations of current equality legislation, by ensuring that the module is as accessible as possible by design. Additional alternative arrangements for students with Inclusive Learning Plans (ILPs)/declared disabilities will be made on an individual basis, in consultation with the relevant policies and support services.

The inclusive practices in the guidance (see Annex B Appendix A) have been considered in order to support all students in the following areas:

a) Accessible resources and curriculum

b) Learning, teaching and assessment methods

1. **Campus(es) or centre(s) where module will be delivered**

Canterbury

1. **Internationalisation**

The curriculum of this module has designed to incorporate contemporary techniques and methodological approaches taught on internationally recognised statistics and measurement programmes. Specifically, there will be discussion of the appropriateness of standard quantitative methods for different cultures around the world. It also helps the strategic plan toward international recruitment by allowing more flexibility in Psychology MSc degrees regarding the amount of statistical instruction required.

**DIVISIONAL USE ONLY**

**Revision record – all revisions must be recorded in the grid and full details of the change retained in the appropriate committee records.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date approved | Major/minor revision | Start date of delivery of revised version | Section revised | Impacts PLOs (Q6&7 cover sheet) |
|  | New | Sept 24 |  |  |
|  |  |  |  |  |