1. **Title of the module**

PSYC6460 (SP646): Quantitative Research and Data Analysis in Social and Psychological Sciences

1. **School or partner institution which will be responsible for management of the module**

School of Psychology

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

Level 5

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

15 (7.5 ECTS)

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

Autumn or Spring

1. **Prerequisite and co-requisite modules**

SOCI3440 Foundations in Social and Criminological Research 2

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

Compulsory to Social Sciences BSc (Hons)

Optional to Criminal Justice and Criminology BA (Hons)

1. **The intended subject specific learning outcomes.  
   On successfully completing the module students will be able to:**
   1. Demonstrate an understanding of the main approaches to conducting quantitative research in psychology and related areas including the strengths and weaknesses of each.
   2. Demonstrate an understanding of sound research design, and be able to critically evaluate psychological research and quantitative approaches
   3. Select and perform appropriate statistical tests by hand or using SPSS.
   4. Interpret data and consider the theoretical and practical implications of research findings.
   5. Understand and apply the conventions for reporting quantitative outcomes and for writing research reports in psychology.
   6. Have the necessary skills to design, conduct and report an individual research project on a psychological or social science topic using quantitative methods as a dissertation in the final year of the degree course.
2. **The intended generic learning outcomes.  
   On successfully completing the module students will be able to:**
   1. Show improvement in the clear communication of research procedures and outcomes including reporting of quantitative information
   2. Show progress in ability to use library resources such as e-journals and other online sources for literature review, identification of research questions, and use of specialist techniques
   3. Show improvement in the ability to collect, analyse and correctly interpret numerical data including the use of appropriate software packages for data analysis
   4. Demonstrate an ability to work with others on group tasks
3. **A synopsis of the curriculum**

Philosophy of science; approaches to research; levels of measurement; reliability and validity; research design; descriptive statistics; analytical tests (chi-square, t-tests and non-parametric alternatives, ANOVA and non-parametric alternatives, correlation, regression) ; using SPSS; reporting research; critical evaluation of research; and surveys.

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

* Field, Andy P., (2013). *Discovering statistics using SPSS (and sex and drugs and rock ‘n’ roll)*, Los Angeles, California: SAGE.
* Jackson, Sherri L., (2012). *Research methods and statistics: a critical thinking approach*, Belmont, California: Wadsworth Cengage Learning.
* Jackson S.L., (2015). *Research methods: a modular approach*, Stamford, CT: CENGAGE Learning.

1. **Learning and Teaching methods**

Total Contact Hours 22

Private Study Hours 128

Total Study Hours 150

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

This module will be assessed by 100% coursework.

Short answer exercise (2000 words) 40%

Report (2000 words) 40%

Seminar participation 20%

* 1. Reassessment methods

This module will be reassessed by 100% coursework.

1. **Map of Module Learning Outcomes (sections 8 & 9) to Learning and Teaching Methods (section12) and methods of Assessment (section 13)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Module learning outcome** | ***8.1*** | ***8.2*** | ***8.3*** | ***8.4*** | ***8.5*** | ***8.6*** | ***9.1*** | ***9.2*** | ***9.3*** | ***9.4*** |
| **Learning / teaching method** |  |  |  |  |  |  |  |  |  |  |
| Lecture | **x** | **x** |  | **x** | **x** | **x** | **x** |  | **x** |  |
| Seminar | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Private study | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |  |
| **Assessment method** | | | | | | | | | | |
| *Short answer questions (2,000 words)* | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |  |
| *Report (2,000 words)* |  | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| *Seminar participation* |  | **x** | **x** | **x** | **x** | **x** |  |  | **x** | **x** |

1. **Inclusive module design**

The School 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**

Medway

1. **Internationalisation**

The module will explore approaches to research in psychology using examples from both national and international sources. Students will be encouraged to include reading and research from as wide a variety of sources as possible, and to consider the extent to which research findings are specific to a particular society or will generalise to other cultures.

**FACULTIES SUPPORT OFFICE USE ONLY**

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

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| Date approved | Major/minor revision | Start date of the delivery of revised version | Section revised | Impacts PLOs( Q6&7 cover sheet) |
| 22/03/17 | Minor | September 2017 | 12,13,14 | No |
| 02/02/18 | Major | September 2018 | 1, 8 | No |