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**MODULE DESCRIPTOR**

**Definitive Document**

**Module Code**  SHS D01

**Version**

**Module Title**  Research methods and analysis in sport and health sciences

**Credits** 20c

**Valid From**  1/9/17

**Status**  Proposed

**Subject Board** (completed by QASU)

**Academic level**  5

**Study period**  X (semester A & B)

**Prerequisites and co-requisites**  UMJC01 or equivalent

**Associated programmes**

BSc (Hons) Sport and Exercise

BSc (Hons) Strength and Conditioning

**Not available to students taking/having taken** Not Applicable

**Content** (Indicative)

* research methods in sport and health science settings;
* research design in sport and health science settings;
* reviewing literature in sport and health science;
* evaluation of research methods, design and literature in sport and health sciences;
* the analysis of qualitative and quantitative data collected in a sport and health context to include statistical methods, coding methods and computer based packages;

**Teaching and Learning Experience**

20c = 200hrs

Lead lectures, seminars, tutorials, practicals = 40hrs

Independent study = 160hrs

**Module Learning Outcomes** (MLOs)

On successful completion of this module students will be able to:

 1. identify the components and nature of qualitative and

 quantitative research in sport and health science;

 2. select and apply appropriate research techniques and methods for

 specific topics in sport and health science;

 3. evaluate and critically appraise literature within sport and health science;

 4. select, implement and explain appropriate data analysis techniques, based on specific research design, in sport and health science.

**Assessment** (Compulsory)

|  |  |  |  |
| --- | --- | --- | --- |
| **Assessment task** | **Load (eg wordage)** | **Weighting (as a percentage)** | **Learning outcomes assessed** |
| Essay | 2500w | 50% | 1,3,4 |
| Research project proposal | 2500w (equivalent) | 50% | 2,3,4 |

**Indicative reading** (Compulsory)

Braun, V. and Clarke, V. (2013) Successful Qualitative Research: a practical guide for beginners. UK: Sage.

Corbin, J and Strauss, A (2015) Basics of Qualitative Research (4th edition). London, UK: Sage

Creswell, J. W. (2009) Research Design. London: Sage

Gratton, C. & Jones, I. (2010) Research methods for Sports Studies. London: Routledge

Jones, I. (2015) Research methods for sports studies. London, UK: Routledge

Lynch, C. (2010) Doing your research project. UK: Learning Matters.

Nelson, L., Groom, R. & Potrac, P. (2014) Research methods in sports coaching. UK: Routledge

McNamee, M. (2007) Research Ethics in Exercise, Health & Sport Sciences. London: Routledge.

Ridley, D. (2012) The literature review: A step by step guide for students. UK: Sage.

Smith, M. (2010) Research methods in sport. UK: Learning Matters.

**Journals**

Journal of Sports Sciences

Sport Education and Society

Action Research

Medicine, Science and Exercise in Sport

Support for Learning

**Websites**

http://www.academicdb.com

http://www.sportsci.org/jour/0001/wghdesign.html

<http://www.physics.csbsju.edu/stats/t-test.html>

ACSM, acsmbig.atfreeweb.com

BASES, www.bases.org

C-SAP, www.c-sap.bham.ac.uk

HLST, www.hlst.heacademy.ac.uk

SportscoachUK, www.sportscoachuk.org