

MODULE SPECIFICATION FORM

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| Module Title: Notational Analysis in Sport | Level: 6 | Credit Value: 20 |
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| Module code: SPT611 (if known) | Cost Centre: GASP | JACS2 code: C600 |
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| Semester(s) in which to be offered: 1&2 | With effect from: September 2011 |
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| Office use only: To be completed by AQSU: | Date approved: Date revised: Version no: |
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| Existing/New: New | Title of module being replaced (if any): |
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| Originating Academic area: Sport and exercise Sciences | Module Leader: Pam Richards |
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| Module duration (total hours) 200 | Status: core/option/elective (identify programme where appropriate): Option BSc (Hons) Sport and Exercise Sciences; BSc (Hons) Sport Coaching |
| Scheduled learning & teaching hours 30 | |
| Independent study hours 170 | |
| Placement hours 0 | |

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| Percentage taught by Subjects other than originating Subject (please name other Subjects): | None |
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| Programme(s) in which to be offered: | BSc (Hons) Sport and Exercise Sciences BSc (Hons) Sport Coaching | Pre-requisites per programme (between levels): None |
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Module Aims:

The modules aims to:

1. Develop the ability to design qualitative models that can be used to assess sports performance.
2. Consider the most appropriate and effective mechanisms for feeding back information to the coach/performer.
3. Expose students to a range of practical issues in conducting performance analysis.

Expected Learning Outcomes

At the end of this module, students should be able to:

Knowledge and Understanding:

1. Design, develop and critically evaluate a computerized system for a sport of your choosing.
2. Critically analyse, evaluate and interpret notational analysis data collected in a specific sporting environment.
3. Demonstrate the ability to interpret and present notational data (findings) to performers/sports professionals in an appropriate manner to provide effective feedback to enhance performance.

Transferable/Key Skills and other attributes:

Observation, discussion, self-management, independent thinking, problem solving, IT skills, mathematics and communication skills, interpersonal skills of interacting with professionals.

Assessment: please indicate the type(s) of assessment (eg examination, oral, coursework, project) and the weighting of each (%). ***Details of indicative assessment tasks must be included.***

Presentation

Having demonstrated a sound understanding of their selected sport students will design a computerised notation system to analyse a specific sporting context. Using the designed notation system students will demonstrate the ability to use performance analysis to critically assess performance. Students will critically analyse the data collected and interpret the findings to provide recommendations to inform the development of performance. Students will discuss how the data could be used to improve performance (**Learning Outcomes: 1, 2 & 3**).

Students will present the analysis and interpretations of the notational analysis data in an appropriate format to provide feedback to the performer/sports professional (**Learning Outcomes: 3**).

| Assessment number | Learning Outcomes to be met | Type of assessment | Weighting | Duration (if exam) | Word count (or equivalent if appropriate) |
|-------------------|-----------------------------|--------------------|-----------|--------------------|---|
| 1 | 1, 2, 3 | Presentation | 100% | | 4000 |

Learning and Teaching Strategies:

The module will include a range of teaching forums such as: lectures, practicals, tutorials, seminar presentations, self-directed study, and introduce students to generic software (Microsoft Excel) utilised within the profession and academia.

Syllabus outline:

- An appreciation of the physiological demands on players (player profiles, movement patterns, activity rates, training versus match demands, player specific demands).
- An appreciation of the psychological demands on players (team cohesion/dynamics, roles and responsibilities linked to goal-setting, Types of feedback (knowledge of performance, knowledge of results, verbal, visual and video).
- The use of types of feedback (knowledge of performance, knowledge of results, verbal, visual and video).
- An appreciation and understanding of a range of methods for feeding back information.
- The application of computerised notation systems in the analysis of sport (use of, benefits and limitations).
- The uses of recording media (video and audio tapes) in notation analysis (use of, benefits and limitations).

Bibliography

Essential reading:

Hughes, M., and Franks, I. (2004). *Notational analysis of sport* (2nd ed.). London: Routledge.

Hughes, M., and Franks, I. (2007). *The essentials of performance analysis*. London: Routledge.

O'Donoghue, P. (2009). *Research Methods for Sports Performance Analysis*. London: Routledge.

Other indicative reading:

Carling, C. Williams, A. M., and Reilly, T. (2006). *Handbook of soccer match analysis*. London: Routledge.