Prifysgol Wrecsam
Wrexham University

Module specification

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Module Code	SPT630
Module Title	Analysing Performance for Improvement
Level	6
Credit value	20
Faculty	FSLS
HECoS Code	100433
Cost Code	GASP
Pre-requisite module	N/A

Programmes in which module to be offered

Programme title	Core/Optional/Standalone
BSc (Hons) Sport and Exercise Science	Core
BSc (Hons) Football Coaching and Performance Specialist	Core
BSc (Hons) Sports Coaching and Fitness	Core

Breakdown of module hours

Learning and teaching hours	12hrs
Placement tutor support hours	4 hrs
Supervised learning hours e.g. practical classes, workshops	10 hrs
Project supervision hours	0 hrs
Active learning and teaching hours total	**26 hrs**
Placement hours	14 hrs
Guided independent study hours	160 hrs
Module duration (Total hours)	**200 hrs**

Module aims

- Develop the ability to design models that can be used to assess performance.
- Identify and utilise technology in the collection, analysis and dissemination of technical and/or tactical information
- Consider the most appropriate and effective mechanisms for feeding back information.
- Expose students to a range of practical issues, formats and technologies in conducting performance analysis

Module Learning Outcomes

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

1	Construct an analysis system for a chosen environment.
2	Critically analyse data collected in a specific environment
3	Design a feedback mechanism
4	Critically reflect on the implementation and effectiveness of the feedback
5	Demonstrate an ability to present assignments appropriately.

Assessment

Indicative Assessment Tasks:
This section outlines the type of assessment task the student will be expected to complete as part of the module. More details will be made available in the relevant academic year module handbook.

Presentation - The student will produce a presentation that illustrates the performance analysis process from initial conception to dissemination of findings / recommendations. The student will develop a technologically based analysis system and critically evaluate its ability to assess and report the performance variables identified. The student will identify an effective method of presenting their findings, to a third party and once completed, the student will critically reflect on the feedback process (20 minutes duration).

Assessment number	Learning Outcomes to be met	Type of assessment	Duration/Word Count	Weighting (%)	Alternative assessment, if applicable
1	1 - 5	Presentation	20 minutes	100	N/A

Derogations

N/A

Learning and Teaching Strategies

This module will be taught through lectures, seminars, practical workshops, and blended learning, which aligns with the University's Active Learning Framework (ALF), primarily emphasising applying theory to practice. This will include in-person sessions, online video

conferencing (synchronous content), and student-directed online resources (asynchronous content). Workshops and practical exercises will allow students to understand the content and use of the taught processes.

Whilst lectures and seminars will be used to further develop the module's theoretical components, students will also be required to develop their use of leading computer software (Hudl SportsCode, NacSport, Microsoft Excel). These will be taught through workshops and blended learning opportunities.

External links and reading materials will be highlighted as an additional aid to learning. These will enable the student to identify strengths and weaknesses in their knowledge and opportunities to access resources in their own time. Formative learning opportunities will be provided throughout the module.

Welsh Elements

The programmes will be delivered through the medium of English. Students are entitled to submit assessments in the medium of Welsh. If students wish to converse in Welsh, they will be assigned a Welsh speaking personal tutor. Students will be sign posted to relevant opportunities via the VLE and MS Teams page.

Indicative Syllabus Outline

- Exploring the underlying detail in a performance
- The concept of normative profiles
- Understanding the processes of linking biomechanics and notation analysis
- Development of feedback mechanisms
- Advanced application of computerised and technology-based performance systems in the analysis of sport.
- Confirming the reliability of inter-rater data

Indicative Bibliography

Please note the essential reads and other indicative reading are subject to annual review and update.

Essential Reads

Mukhopadhyay, K. (2021), *Technology in Sports*. Moldova: Scholars' Press.

Other indicative reading

Franks, I. and Hughes, M. (2016), *Soccer Analytics: Successful Coaching Through Match Analyses.* Maidenhead: Meyer & Meyer Sport.

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

Hughes, M. and Franks, I. (2015), *The Essentials of Performance Analysis*. London: Routledge.

Nelson, L., Groom, R. and Potrac. (2016), *Learning in Sports Coaching: Theory and Application*. London: Routledge.

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

O'Donoghue, P., and Holmes, L. (2014), Data Analysis in Sport. London: Routledge.
Passos, P,. Araujo, D, and Volossovitch, A. (2017), Performance Analysis in Team Sports. London: Routledge.

Administrative Information

For office use only	
Initial approval date	08/12/2021
With effect from date	01/09/2022
Date and details of revision	June 2022 – added to newly validated BSc (Hons) Coaching: Sport & Fitness programme 18/07/2025 – module updated with sports validation for Sept 2025
Version number	3