MSc / PGDip / PGCert Sport Performance Analysis

Programme Specification

1. Programme title	MSc Sport Performance Analysis (MSc)
2. Awarding institution	Middlesex University
3. Teaching institution	Middlesex University
4. Details of accreditation by professional/statutory/regulatory body	Not Applicable
5. Final qualification	MSc Sport Performance Analysis PG Dip or PG Cert Sport Performance Analysis (exit awards)
6. Year of validation	2019/2020
Year of amendment	2022/2023
7. Language of study	English
8. Mode of study	Full-time, Part-time & Distance Education (DE)

9. Criteria for admission to the programme

Students will require an undergraduate degree in a sport or exercise related field (2.2 or above). Students with undergraduate degrees in non-related areas (i.e. all sciences, maths etc.) are welcomed and will be considered at discretion according to relevant industry experience and professional qualifications.

Students for whom English is a second language must have achieved IELTS 6.5 (with minimum 6.0 in all components) or equivalent.

If you have relevant qualifications or work experience, academic credit may be awarded towards your Middlesex University programme of study. For further information please visit our Accreditation of Prior Learning page (https://www.mdx.ac.uk/study-with-us/undergraduate/entry-requirements-for-undergraduates/recognition-of-previous-learning).

10. Aims of the programme

The programme aims to:

1. Prepare students for the certification requirements of International Society of Performance Analysis of Sport (ISPAS).
2. Enable students to design evidence-based, sport-specific performance analysis interventions based on a critical needs analysis.
3. Develop student's reflective and practical skills essential for communicating complex information to coaches and athletes.
4. Develop students critical thinking and problem-solving skills.
5. Enable students to undertake complex data analysis and visualisation.
6. Provide students with the ability to select, appraise and undertake a variety of technical, tactical and statistical analyses and critically evaluate their validity and reliability.
7. Provide students with the ability to critically appraise the current research literature in Performance Analysis.
8. Provide students with work-based learning opportunities through work placements within performance analysis.

11. Programme outcomes*

A. Knowledge and understanding	**Teaching/learning methods**
On completion of this programme the successful student will have knowledge and understanding to: 1. Apply appropriate research methodology in order to advance existing knowledge and inform practice. 2. Demonstrate advanced knowledge of performance analysis concepts. 3. Demonstrate advanced analytical, evaluatory and synthesis skills required to conduct personal and group research in selected areas of PA in sport. 4. Present logical, structured and critical arguments by communicating. effectively in the writing of reports and presentations. 5. Apply appropriate data analysis and visualisation methods. 6. Demonstrate an ability to problem solve autonomously in applied settings.	Students gain knowledge and understanding through a blended-learning approach attending live lectures, engaging with pre-recorded content, seminars, workshops, problem solving tasks, small group discussions & presentations, student and teacher led learning sessions and finally, via student placements. An understanding of the subject is both summative and formatively assessed. **Assessment methods** Students' knowledge and understanding is assessed by a range of methods such as presentations, written assignments, case studies and placement logbooks. Where appropriate, assessments will be adapted for DE learners.

7. Demonstrate advanced knowledge of performance analysis software packages to analyse performances and techniques.	
B. Skills On completion of this programme the successful student will be able to: 1. Critically evaluate research and published literature, debate and articulate ideas, protocols and actions 2. Demonstrate an ability to work independently and responsibility as an advanced practitioner in dealing with the elements of unpredictability and complexity that present in practice. 3. Devise and critically evaluate sport-specific analyses of performance 4. Demonstrate mastery of PA techniques using a variety of software packages 5. Select and administer the appropriate analyses relevant to theoretical principles and within applied contexts. 6. Communicate results of research to peers, demonstrating expertise in application of theory and advanced research skills 7. Demonstrate advanced data analysis and visualisation skills	**Teaching/learning methods** Students learn skills through formative and summative assessments, participation in synchronous and asynchronous lectures, seminars, problem-based learning and workshops (both on-campus and DE) Students will also undertake blended-learning approaches to learning through self-directed study and pre-recorded/live online content. Peer-review, self-reflection skills are also developed. Finally, practical skills are developed in placement. **Assessment methods** Students' skills are assessed by presentations, written assignments, case studies and placement. Finally, via self-reflection and peer review. Where appropriate assessments will be adapted for DE learners.

12. Programme structure (levels, modules, credits and progression requirements)

12. 1 Overall structure of the programme

MSc Sport Performance Analysis (Full Time)				
SES 4005	SES 4061	SES 4013	SES 4030	SES 4096
Performance Analysis	Data Analysis and Visualisation	Professional Placement	Research Methods	Dissertation (Research)
30 Credits	30 Credits	30 Credits	30 Credits	60 Credits
Semester 1	Semester 2	Semester 1,2,3	Semester 1&2	Semester 3
Core		Shared		

MSc Sport Performance Analysis (Part Time)				
Year 1			**Year 2**	
SES 4005	SES 4061	SES 4030	SES 4013	SES 4096
Performance Analysis	Data Analysis and Visualisation	Research Methods	Professional Placement	Dissertation (Research)
30 Credits	30 Credits	30 Credit	30 Credits	60 Credits
Semester 1	Semester 2	Semester 1&2	Semester 1,2,3	Semester 1,2,3
Core		Shared		

Post Graduate Diploma in Sport Performance Analysis			
SES 4005	SES 4061	SES 4030	SES 4013
Performance Analysis	Data Analysis and Visualisation	Research Methods	Professional Placement
30 Credits	30 Credits	30 Credit	30 Credits
Semester 1	Semester 2	Semester 1&2	Semester 1,2,3
Core		Shared	

Post Graduate Certificate in Sport Performance Analysis	
SES 4005	SES 4061
Performance Analysis	Data Analysis and Visualisation
30 Credits	30 Credits
Semester 1	Semester 2
Core	

12.2 Levels and modules		
Level 7 (1)		
COMPULSORY	OPTIONAL	PROGRESSION REQUIREMENTS
Students must take all of the following: SES4005 SES4061 SES4013 SES4030 SES4096	None	Must complete SES4030 (Research Methods) before progressing onto SES4096 (Dissertation (Research)).

12.3 Non-compensatable modules (note statement in 12.2 regarding FHEQ levels)	
Module level	**Module code**
7	No module may be compensated.

13. Curriculum map

See attached.

14. Information about assessment regulations

The following reference points were used in designing the Programme.

Internal Documentation:

- MU Learning and Quality Enhancement Handbook 2018/19
- Middlesex University Regulations 2019/20

External Documentation:

- Quality Assurance Agency (2014) The Frameworks for Higher Education Qualifications of UK Degree-Awarding Bodies, Gloucester: QAA

15. Placement opportunities, requirements and support

Students are required to complete a minimum set of hours for their work placement. Students are encouraged to explore organisations that work within the student's area of interest (relevant to their programme) and suitable applications are supported by the programme leader.

Where a student is not already working within a field relevant to their programme of study, programme staff may be able to advise of suitable work placements. It is typical that interviews will be required for popular placements; therefore, the University offers no guarantee of work.

16. Future careers (if applicable)

Career opportunities (full-time and part-time) exist for well-qualified sport performance analysts in both professional and amateur sports. Most sports teams now employ performance analysts. Various internship programmes are run by organisations like the English Institute of Sport.

Previous graduates in Sport Performance Analysis are currently working in soccer (English Premier League, English Championship, the FA; National teams); Rugby (Welsh Rugby Union, Professional rugby teams in England and Wales); multiple Olympic sports (working for the English Institute of Sport in sports such as cycling, canoe slalom, disability swimming, hockey, judo); squash (England Squash); badminton (England badminton) and regional bodies (Irish Institute of Sport). In addition, graduates have gone on to become University lecturers.

Graduates will also be capable of establishing their own consultancy business or progressing to additional study/research including MPhil/PhD.

17. Particular support for learning (if applicable)

Performance analysis facilities are available within the university*. For example, performance analysis software packages like Quintic, Dartfish, Focus and Sportscode (Mac OS) are available via PCs, loan laptops and Macbooks (based at StoneX Stadium Campus). Furthermore, relevant software packages such as SPSS, R, Matlab, Adobe suite and Microsoft office are available to students to use.

*Students away from campus, such as those studying on the DE mode, may be able to access campus restricted software remotely using remote client software and virtualisation software.

Course content can also be accessed via the university MyUniHub platform, where lecture notes, reading material and journals are available. In addition, the university provides library facilities, statistics and academic writing support which can be accessed via UniHelp.

18. JACS code (or other relevant coding system)	C600
19. Relevant QAA subject benchmark group(s)	Hospitality, Leisure, Sport and Tourism

20. Reference points

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External Documentation:

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21. Other information

Computer Equipment

Students are required to have access to a computer, preferably a laptop (Apple Mac* or PC) and have access to the Internet away from the University.*Distance Education students are recommended to have a Macbook Pro to run the Hudl Sportscode software (or alternative software where applicable) which can be used for course, training and placement purposes – students can complete the course with a Windows laptop however they may not be able to make full use of the performance analysis software available.

Video Equipment

Video cameras, cables, tripods and accessories are available through the University, Media Loan Store (on-campus).

Clothing

The course fee does not include London Sports Institute sports kit; these are available to purchase but are not compulsory.

Residential

Distance Education students have to attend the residential at the beginning of the course and be available for assessment dates which will be communicated in advance. Students will have to arrange their own transport and accommodation for the residential (preferential rates may be available for students).

Please note programme specifications provide a concise summary of the main features of the programme and the learning outcomes that a typical student might reasonably be expected to achieve if s/he takes full advantage of the learning opportunities that are provided. More detailed information about the programme can be found in the rest of your programme handbook and the university regulations.

Curriculum map for *MSc / PGDip / PGCert Sport Performance Analysis*

This section shows the highest level at which programme outcomes are to be achieved by all graduates, and maps programme learning outcomes against the modules in which they are assessed.

Programme learning outcomes

Knowledge and understanding	
A1	Apply appropriate research methodology in order to advance existing knowledge and inform practice
A2	Demonstrate advanced knowledge of performance analysis concepts
A3	Demonstrate advanced analytical, evaluatory and synthesis skills required to conduct personal and group research in selected areas of PA in sport.
A4	Present logical, structured and critical arguments by communicating effectively in the writing of reports and presentations
A5	Apply appropriate data analysis and visualisation methods
A6	Demonstrate an ability to problem solve autonomously in applied settings
A7	Demonstrate advanced knowledge of performance analysis software packages to analyse performances and techniques
Skills	
B1	Critically evaluate appropriate research and published literature, debate and articulate ideas, protocols and actions
B2	Demonstrate an ability to work independently and responsibility as an advanced practitioner in dealing with the elements of unpredictability and complexity that present in practice
B3	Devise and critically evaluate sport-specific analyses of performance
B4	Demonstrate mastery of PA techniques using a variety of software packages
B5	Select and administer the appropriate analyses relevant to theoretical principles and within applied contexts
B6	Communicate results of research to peers, demonstrating expertise in application of theory and advanced research skills
B7	Demonstrate advanced data analysis and visualisation skills

Programme outcomes												
A1	A2	A3	A4	A5	A6	B1	B2	B3	B4	B5	B6	B7
Highest level achieved by all graduates												
7	7	7	7	7	7	7	7	7	7	7	7	7

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Entry/Exit Awards			Module Title	Module Code by Level														
					A1	A2	A3	A4	A5	A6	A7	B1	B2	B3	B4	B5	B6	B7
MSc	PG Diploma	PG Certificate	Performance Analysis	SES4005		✓	✓	✓		✓	✓			✓	✓	✓	✓	
			Data Analysis and Visualisation	SES4061			✓	✓	✓	✓						✓	✓	✓
			Research Methods	SES4030				✓	✓			✓						
			Professional Placement	SES4013									✓					
			Dissertation (Research)	SES4096	✓													

A1, B1 and B2 will not be met in the PGCert.
A1 will not be met in the PGDip.