Appendix 1: Programme Specification
Programme Specification and Curriculum Map for
Sports Performance Analysis

1. Programme title	MSc Sport Performance Analysis
2. Awarding institution	Middlesex University
3. Teaching institution	Middlesex University
4. Programme accredited by	Not Applicable
5. Final qualification	MSc Sport Performance Analysis
6. Academic year	2018/19
7. Language of study	English
8. Mode of study	Full Time/Part Time

9. Criteria for admission to the programme

Students will require an undergraduate degree in a sport or exercise related field (2.1 or above) and ideally performance analysis experience either from modules undertaken on an undergraduate degree or experience working with sports teams or athletes. Maths and I.T. skills are also relevant to this course so undergraduate degrees in these areas will be considered as admissions criteria (Students with 2:2 degree classifications may be considered though this is discretionary). Students for whom English is a second language must have achieved IELTS 6.5 (with minimum 6.0 in all components) or equivalent.
Alternatively, prospective students who have completed the International Society of Performance Analysis of Sport (ISPAS) accreditation and have extensive experience in the area will be considered via interview.

10. Aims of the programme

The programme aims to:

- Prepare students for the certification requirements of International Society of Performance Analysis of Sport (ISPAS).
- Enable students to design evidence-based, sport-specific performance analysis interventions based on a critical needs analysis.
- Develop student's reflective and practical skills essential for communicating with coaches and athletes.
- 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.
- Provide students with the ability to critically appraise the current research literature in Performance Analysis.
- Provide students with challenging work experiences within performance

analysis training and support.

11. Programme outcomes	
A. Knowledge and understanding On completion of this programme the successful student will have knowledge and understanding of: 1. Selected areas of performance analysis of sport that contributes to performance development 2. Analytical, evaluator and synthesis skills required to conduct personal and group research in selected areas of performance analysis in sport 3. Presenting logical, structured and critical arguments by communicating effectively in the writing of reports, papers and a thesis 4. The validity and reliability of performance analysis	**Teaching/learning methods** Students gain knowledge and understanding through attending lectures, participatory seminars, small group discussions, directed learning, laboratory and practical sessions and on placement. An understanding of the subject is both summative and formatively assessed. **Assessment Method** Students' knowledge and understanding is assessed by presentations, written assignments, case studies and learning portfolios.
B. Cognitive (thinking) skills On completion of this programme the successful student will be able to: 1. Critically evaluate appropriate research and published literature, debate and articulate ideas, protocols and actions 2. Devise and evaluate sport-specific analyses of performance 3. Evaluate the effectiveness of techniques used in performance analysis	**Teaching/learning methods** Students learn cognitive skills through lectures, discussions, formative assessment, peer-review of seminar presentations, debates and directed reading. **Assessment Method** Students' cognitive skills are assessed by written work, peer-assessment, self-assessment, presentations and case studies.
C. Practical skills On completion of the programme the successful student will be able to: 1. Demonstrate mastery of performance analysis techniques	**Teaching/learning methods** Students learn practical skills through attending laboratory classes, formative assessment, practical skills and sessions.

using a variety of software packages 2. Select and administer the appropriate analyses relevant to theoretical principles and within applied contexts. 3. Communicate results of research to peers, demonstrating expertise in application of theory and advanced research skills. 4. Utilise advanced performance analysis techniques	**Assessment Method** Students' practical skills are assessed by video and oral presentations and written reports. Complete the work experience module in performance analysis
D. Graduate Skills On completion of this programme the successful student will be able to: 1. Develop communication and presentation skills 2. Demonstrate teamwork and interpersonal skills 3. Competently use information technology 4. Demonstrate competence in numeracy and problem solving techniques 5. Develop Personal career plans	**Teaching/learning methods** Students acquire graduate skills through reading, group work exercises, structured and directed learning, reflection and development of portfolio material, formative assessment and on placement. **Assessment method** Students' graduate skills are assessed by written work in the form of portfolios, case studies, presentations, peer assessment and self-assessment and project work.

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

12. 1 Overall structure of the programme

The MSc programme is studied over one year full-time or two years part-time. It includes a range of taught modules together with a dissertation, (based on empirical research), carried out by the student. There will be three 30 credit modules providing the opportunity to study topics within areas of Research Methods, Performance Analysis and Biometric modelling. In particular, the Research Methods module provides the opportunity to develop research and practical skills relevant across all areas of Applied Performance Analysis. Furthermore, the 30 credit Work Placement module provides students to practice the theories of PA analysis in applied sports settings.

The Dissertation module (60 credits) encourages students to develop expertise in a particular area of Performance Analysis, producing a 3000-4000-word article with the aim of publishing in PA specific academic journal.

The MSc is awarded for successful completion of 180 credits, including the dissertation, while the PGDip is awarded for successful completion of 120 credits across taught modules. Students who complete 60 credits may apply for the award of the Postgraduate Certificate in Sport Performance Analysis. The minimum requirement is 60 graded credits which must include the Research Methods.

12.2 Levels and modules

Level 7 (1)

COMPULSORY	OPTIONAL	PROGRESSION REQUIREMENTS
Students must take all of the following SES4005 SES4011 SES4013 SES4030 SES4095	None	 SES4005 SES4011 SES4013 SES4030

12.3 Non-compensatable modules (note statement in 12.2 regarding FHEQ levels)

Module level	All modules are non-compensatable

13. Curriculum map

See Curriculum Map attached

14. Information about assessment regulations

The following reference points were used in designing the Programme.

Internal documentation:

- MU Learning and Quality Enhancement Handbook 2017/18
- Quality Assurance Agency (2010) Framework for Higher Qualifications, London, QAA

- ISPAS - aims to bridge the gap between researchers and practitioners, providing a platform for the dissemination of scientific knowledge concerning performance analysis of sport.

15. Placement opportunities, requirements and support (if applicable)

Placements are required for this programme. Where a student is not already working within the field of performance analysis the University 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. Potentially placements offer remuneration, kit and expenses, the extent to which varies between placement.

16. Future careers (if applicable)

Full-time and part-time career opportunities exist within professional and semi-professional sports and sports data and betting industries across the UK and worldwide.

Most team sports now also employ performance analysts, on either a part-time or full-time basis dependent on their level of funding or competition.

There are also opportunities to engage in the internship programmes run by the (English Institute of Sport) EIS or any of the UK equivalent institutes.

There is also a growing investment in performance analysis in data collection companies who are involved in sports betting.

Opportunities are also available in Universities to provide support for athletes through TASS (Talented Athlete Scholarship Scheme); however, this is subject to a postgraduate qualification.
It is envisaged that some students may choose to continue their academic studies through an MPhil, PhD or DProf Sport.

17. Particular support for learning (if applicable)

As Sports Performance Analysis students, you will have access to PC lab facilities that will be equipped with PA specific packages such as Quintic, Darfish, Focus and SportsCode. Furthermore, access to university wide software packages such as IBM SPSS, Adobe suit and Microsoft Office are available to Middlesex University students.
Course content can also be accessed off site via the Programme Moodle page, where lecture notes, reading material and journals are available.
Access to English Language and Learning Support is also available 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

The following reference points were used in designing the Programme.

Internal documentation:

- MU Learning and Quality Enhancement Handbook 2017/18
- Middlesex University (2006) Learning Framework Document

External Documentation:

- Quality Assurance Agency (2010) Framework for Higher Qualifications, London, QAA UKSCA Guidelines
- ISPAS – aims to bridge the gap between researchers and practitioners, providing a platform for the dissemination of scientific knowledge concerning performance analysis of sport.

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. Students will have access to University computers (both desktop and, on occasions, a laptop). It should be noted that depending upon the manufacturer, some performance analysis software may not work across all platforms.

Video Equipment

Video cameras, cables, tripods and accessories are available through the University, following appropriate University regulated training. However, where students have access to their own equipment, it is advised that they bring these on study days.

Clothing

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

Curriculum map for MSc Sport and Exercise Science

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		Practical skills	
A1	Selected areas of performance analysis (PA) of sport that contributes to performance development.	**C1**	Demonstrate mastery of PA techniques using a variety of software packages
A2	Analytical, evaluatory and synthesis skills required to conduct personal and group research in selected areas of PA in sport.	**C2**	Select and administer the appropriate analyses relevant to theoretical principles and within applied contexts.
A3	Presenting logical, structured and critical arguments by communicating effectively in the writing of reports, papers and a thesis.	**C3**	Communicate results of research to peers, demonstrating expertise in application of theory and advanced research skills
A4	The validity and reliability of PA.	**C4**	Utilise advanced PA techniques
Cognitive skills		Graduate Skills	
B1	Critically evaluate appropriate research and published literature, debate and articulate ideas, protocols and actions	**D1**	Develop critical communication and presentation skills
B2	Devise and critically evaluate sport-specific analyses of performance	**D2**	Demonstrate competent and critical use of information technology

B3	Critically evaluate the effectiveness of PA	**D3**	Demonstrate competence in numeracy and critical problem solving techniques
		D4	Develop critical research skills

Curriculum map for MSc Sports 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.

Module Title	**Module Code**	**Programme outcomes**													
		A 1	A 2	A 3	A 4	B 1	B 2	B 3	C 1	C 2	C 3	C 4	D 1	D 2	D 3	D 4
Performance Analysis	SES4005	✓	✓		✓				✓		✓	✓	✓	✓	✓	
Research Methods	SES4030		✓	✓	✓	✓	✓	✓							✓	✓
Biometric Modelling	SES4011	✓	✓		✓				✓		✓	✓	✓	✓	✓	
Professional Placement	SES4013	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	
Dissertation	SES4030	✓	✓	✓		✓	✓	✓		✓	✓			✓	✓	✓