Programme Specification and Curriculum Map for

BSc (Hons) Sport and Exercise Science

1. Programme title
   Sport and Exercise Science

2. Awarding institution
   Middlesex University

3. Teaching institution
   Middlesex University

4. Programme accredited by
   Not Applicable

5. Final qualification
   BSc (Hons) Sport and Exercise Science

6. Academic year
   2015/16

7. Language of study
   Modular

8. Mode of study
   FT

9. Criteria for admission to the programme
   Candidates must be able to satisfy the general admissions requirements of Middlesex University in one of the following ways:

   The normal minimum age of entry is 18.

   A minimum of 280 points (to include 2 A 2’s) plus GCSEs grades A to C in mathematics, English and science OR BTEC National Diploma or VCE’s or International Baccalaureate or Access science course (equivalent tariff to above)

   Applications from candidates with a foundation degree must obtain a merit or above and the foundation degree must be in a related subject to the award title.

   Applications from candidates without formal qualifications are welcome, providing they can show appropriate levels of relevant ability and experience; they would need to make a claim for accreditation of prior learning (APL) examples of this could be vocational based fitness qualifications and relevant experience in the field.

   Exemptions from parts of the degree programmes’ are possible. Claimants seeking accreditation of prior learning and experience must apply to the university and may be required to present a portfolio in support of their claims.

   In addition for Overseas students: a qualification demonstrating competence in English (e.g. TOEFL 550, IELTS 6.0) if English is not the first language. The programme is suitable for individuals with profound physical or visual impairment.
10. Aims of the programme

The programme aims to:

The core aim is:

- To provide a knowledge and understanding of human response and apply to exercise.

Other aims of the programmes are:

i. To ensure a familiarity with methods to enhance sport performance.

ii. To develop competence in the scientific methods of enquiry and problem-solving abilities.

iii. To develop a reflective approach to theory and practice.

iv. To develop the student’s ability to analyse, justify, debate and review ideas, protocols and actions.

v. To promote an appreciation of the need for both a multi-disciplinary and inter-disciplinary approach to study and intervention.

To promote autonomous learning and an appreciation of the need for continuing professional development

11. Programme outcomes

A. Knowledge and understanding

On completion of this programme the successful student will have knowledge and understanding of:

1. Human structure and function with reference to exercise performance, health or movement

2. Research methods and processes with particular relevance to exercise and health

3. The psychology of working with those in sport

4. Nutritional needs of the physically active

5. The basic effects of pharmacological agents on exercise performance, disease and health

6. Techniques and procedures used to assess physical fitness and well-being

7. The principles of safe and effective training for variety of clients including elite athletes, special populations or individuals with chronic diseases taking into account national and professional bodies guidelines and the client’s social and cultural background

Teaching/learning methods

Students gain knowledge and understanding through attending lectures, participatory seminars, small group discussions, directed learning, laboratory and practical clinical 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, laboratory reports, case studies, Learning portfolios and unseen examinations.
### B. Cognitive (thinking) skills

On completion of this programme the successful student will be able to:

1. Develop and challenge ideas through the evaluation of appropriate literature, concepts and principles
2. Design and carry out independent research and critically evaluate research findings
3. Critically analyse and interpret data with understanding of strength and weakness of the data and technique used to collect the data
4. Design and evaluate exercise programmes to enhance health and fitness

Articulate the need for both a multi-disciplinary and inter-disciplinary approach to intervention

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### 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, examinations, presentations and case studies.

### C. Practical skills

On completion of the programme the successful student will be able to:

1. Select and execute appropriate, laboratory or field tests
2. Design, carry out and communicate independent research using appropriate media
3. Review and competently carry out safety and risk assessment or appropriate emergency care in accordance with legislation and professional codes of conduct.
4. Plan, design, manage and execute practical activities using appropriate techniques and procedures.

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### Teaching/learning methods

Students learn practical skills through attending laboratory classes, formative assessment, skills sessions and work experience.

### Assessment Method

Students’ practical skills are assessed by practical examinations, laboratory reports, and logbook and supervisor reports.

### 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

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### 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.
5. Develop Personal career plans
6. Develop an autonomous and reflective approach to lifelong learning

and problem solving techniques

studies, logbook, 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

See Page 15

12.2 Levels and modules

Starting in academic year 2010/11 the University is changing the way it references modules to state the level of study in which these are delivered. This is to comply with the national Framework for Higher Education Qualifications. This implementation will be a gradual process whilst records are updated. Therefore the old coding is bracketed below.

Level 4 (1)

<table>
<thead>
<tr>
<th>COMPULSORY</th>
<th>OPTIONAL</th>
<th>PROGRESSION REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students must take all of the following SES1240, SES1241, SES1242, SES1243</td>
<td>None</td>
<td>Completion of all level 4 modules.</td>
</tr>
</tbody>
</table>

Level 5 (2)

<table>
<thead>
<tr>
<th>COMPULSORY</th>
<th>OPTIONAL</th>
<th>PROGRESSION REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students must take all of the following SES2203, SES2222, SES2116, SES2557</td>
<td>None</td>
<td>Completion of all level 5 modules.</td>
</tr>
</tbody>
</table>

Level 6 (3)

<table>
<thead>
<tr>
<th>COMPULSORY</th>
<th>PROGRESSION REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPULSORY FOR A SPECIFIC PROGRAMME</td>
<td>PROGRESSION REQUIREMENTS</td>
</tr>
</tbody>
</table>
Students must take all of the following SES3360

Sport and Exercise Science
SES3338
SES3340

Completion of all level 6 modules.

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

13. Curriculum map
See Curriculum Map attached

14. Information about assessment regulations

15. Placement opportunities, requirements and support (if applicable)
SES Students have to complete 30 hours of placements in order to pass SES1242 which is a core first year module. Work experience will further be included into the advance modules within specific programme choices in final year. A DBS check is a compulsory part of this programme. Placement opportunities are further embedded into the advanced skills modules for the designated specialist pathways in the final year of study.

The first placement will be introduced early in the new programme with students attending a fitness centre or coaching observation in year 1. This will make up part of the SES 1242 module. Student will be asked to complete a reflective report on their placement. Students will be adequately prepared for fitness centre placement because they will be trained in gym and fitness instruction as part of SES 1241 (Fundamentals of health and fitness) and will cover first aid as part of the programme. Students in the second year will be asked to complete a coaching log book of another additional 30 hours of placement in SES 2116 Applied sport and health fitness coaching. The second year placement should be focused on coaching
groups or individuals in sport or fitness activities. The final year of the programme will further include a work experience focus within the advanced modules for that pathway, for example SES3338 interdisciplinary sport science they will be asked to work with an athlete in a holistic manner to utilise their sport and exercise science skills to improve performance.

Before students can start their placements, they must pass the earlier modules. Students will receive help with identifying a suitable placement, with any application if required. On placement, each student will be allocated a supervisor, who will be an employee at the placement. The supervisor will provide the student with learning opportunities, enabling students to achieve the learning outcome of the module. Each placement will be allocated a placement tutor, who will strive to ensure students gain the most educationally from the placement.

Prior to placements all students will attend 2 workshops to outline and explain placement procedures in line with the new MU placement guidelines. Placement opportunities exist in the following areas: Sports Clubs, University Sports Clubs, local sports development projects.

16. Future careers (if applicable)
Graduates can gain employment in health and fitness club management, fitness consultancy, weight management, health promotion, personal fitness training, corporate health advice, sports or physical activity development, medical sales, and the armed forces. There are career opportunities in teaching and research. On graduation, students can continue with their professional studies taking British Association of Sport and Exercise Science (BASES) training programmes' to qualify in three years as accredited sports and exercise scientist. Suitable graduates can study to become physiotherapists or sports rehabilitators. Membership in BASES is recommended to students. Career opportunities and postgraduate programmes in sport are advertised on their web site www.bases.org They can also progress onto postgraduate studies at Middlesex University or another university.

17. Particular support for learning (if applicable)

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:


## External Documentation:

i. BASES (2009) BASES Undergraduate Endorsement Scheme (BUES) Application Manual. BASES

## 21. Other information

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 programme handbook and the University Regulations.
Curriculum map for BSc 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

<table>
<thead>
<tr>
<th>A: Knowledge and understanding of</th>
<th>C: Practical skills</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1 Human structure and function with reference to exercise performance, health or movement</td>
<td>C1 Select and execute appropriate clinical, laboratory or field tests</td>
</tr>
<tr>
<td>A2 Research methods and processes with particular relevance to exercise and health</td>
<td>C2 Design, carryout and communicate research using appropriate media</td>
</tr>
<tr>
<td>A3 The psychology of working with those in sport and exercise</td>
<td>C3 Review and competently carry out safety and risk assessment or appropriate emergency care in accordance with legislation and professional codes of conduct</td>
</tr>
<tr>
<td>A4 Nutritional needs of the physically active</td>
<td>C4 Plan, design, manage and execute practical activities using appropriate techniques and procedures</td>
</tr>
<tr>
<td>A5 The basic effects Ergogenic aids on exercise performance, disease and health</td>
<td></td>
</tr>
</tbody>
</table>
### A6 Techniques and procedures used to assess physical fitness and well-being

### A7 The principles of safe and effective training for variety of clients including elite athletes, special populations or individuals with chronic diseases taking into national and professional bodies guidelines and the client’s social and cultural background

<table>
<thead>
<tr>
<th>B: Cognitive skills</th>
<th>D: Key skills</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1 Develop and challenge ideas through the evaluation of appropriate literature, concepts and principles</td>
<td>D1 Develop communication and presentation skills</td>
</tr>
<tr>
<td>B2 Design and carryout research and critically evaluate research findings</td>
<td>D2 Demonstrate teamwork and interpersonal skills</td>
</tr>
<tr>
<td>B3 Critically analyse and interpret data with understanding of strength and weakness of the data and technique used to collect the data</td>
<td>D3 Competently use of information technology</td>
</tr>
<tr>
<td>B4 Design and evaluate the effectiveness and appropriateness of interventions to enhance health, fitness or performance</td>
<td>D4 Demonstrate competence in numeracy and problem solving techniques</td>
</tr>
<tr>
<td>B5 Articulate the need for both a multi-disciplinary and inter-disciplinary approach to intervention</td>
<td>D5 Develop Personal career plans</td>
</tr>
</tbody>
</table>

| D6 Develop an autonomous and reflective approach to lifelong learning |
**Curriculum map for BSc (Hons) Sport & 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.

<table>
<thead>
<tr>
<th>Module</th>
<th>Code</th>
<th>Programme Outcomes</th>
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<tbody>
<tr>
<td></td>
<td>SES</td>
<td>A1</td>
</tr>
<tr>
<td>1 Professional Skills and Work Experience</td>
<td>1242</td>
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</tr>
<tr>
<td>2 Fundamentals of Anatomy and Human Movement</td>
<td>1240</td>
<td>X</td>
</tr>
<tr>
<td>3 Fundamentals of Sport &amp; Exercise Science</td>
<td>1243</td>
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</tr>
<tr>
<td>4 Fundamentals of Health &amp; Fitness Training</td>
<td>1241</td>
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<tr>
<td>5 Applied Sport &amp; Exercise Research</td>
<td>2203</td>
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<thead>
<tr>
<th>Methods</th>
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<th>Applied Biomechanics and Physiology</th>
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<td>Applied sport and Health Coaching</td>
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<td>Applied Sport and Exercise Psychology</td>
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<td>Interdisciplinary Sports Science</td>
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<td>10</td>
<td>Advanced Sport and Exercise Science</td>
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