

**The University of Edinburgh**

**The Moray House School of Education**

**School Postgraduate Studies Committee**

**11 March 2015**

Paediatric Factors in Sport (EDUA11054)

Environmental Factors in Sport

Brief description of the paper

*Following a programme review in 2011-12 and based on staff and student feedback, the programme team have reviewed the current name, content and learning outcomes for this course. We propose to close the current 20-credit course and replace it with 2 x new 10-credit courses, one retaining the current name and the second named Environmental Factors in Sport. These 2 independent courses more accurately reflect the current course content following evolution and development over a number of years, in response to professional demands. The “spirit of the course” will be retained and the assessment will be unchanged (split between the courses). The learning outcomes have been revised in line with SCQF descriptors and new CCAM reports created as part of the PCIM project.*

Rationale for Course Amendment

The successful programme review for MSc Strength & Conditioning in 2011-12 made a recommendation regarding the Paediatric Factors in Sport 20-credit course:

*“The Panel supported the idea of splitting the current 20-credit course Paediatric Factor in Sport into two 20-credit courses (one for paediatrics in Sport and one for Special Populations). Some discussion with the teaching team suggested a preference for the environmental factors element to be prioritised (the panel saw value in both areas). The panel highlighted the need for a feasibility study around this, as it would push the Programme into having options to make up the course credit requirements. One idea put forward was to open up some of the courses to other Programmes and have more shared course options (incl. potentially with Senior Honours UG students but more likely with other MSc programmes such as Physical Activity for Health) and therefore make the options feasible. Alternatively, the additional 20 credits could replace Professional Skills (Recommendation 2 above)” – Programme review report for Strength & Conditioning June 2012.*

In 2014-15 the programme team have further explored the proposed options and used feedback from students and senior management. Our preferred option would be to retain the current 20 credit course as an option and write a new additional 20 credit option on Environmental Factors in Sport, as this would enable more in-depth study of both relevant subjects and give students the choice. However, for 2 main reasons we have acknowledged that the best compromise going forward would be to develop 2 x 10 credit courses instead:

1. An additional and new 20 credit course would demand significant resources and with current programme costings could potentially compromise programme viability, especially if only a few students elected one of the options. There is insufficient suitability across the other MSc programmes to warrant the resources. This is supported following discussion with programme staff, Head of Institute (Dr Simon Coleman) and following the School review of PGT programme viability in the last few years. The only additional resource implication is that the workload model allocates an additional 20 hours for course organisation for 2 x 10 credits vs. 1 x 20 credits. Given

that the Programme review panel also commented that the programme was under-resourced and required some specialist staffing, we hope this additional resource will be supported.

2. Students were against our initial ideas as they felt that both subject areas were highly relevant and having to select one of the options would mean missing out on the other subject area. They much preferred the proposal to change the current 20 credit course in to 2 x 10 credits, as this would cover both topics yet avoid the current mismatch between subject areas coupled in a single course, although they were generally very positive about the content and student experience. This is recorded in the minutes of the SSLC held on Wed 11<sup>th</sup> February 2015.

Please note that the assessments are not being changed, just split between the respective courses. The content is also not changing significantly, but will now be suitably separated into the respective courses. Finally, the course summaries and learning outcomes have been carefully revised in line with SCQF descriptors and the new CCAM records have been drafted in line with the PCIM project (both draft CCAM records are attached).

#### Action requested

*For approval.*

#### Resource implications

Does the paper have resource implications? Yes

If 'Yes', in which section(s) of the paper are they described?

The only additional resource is an additional 20 hours of course organisation (2 x 10 credits vs. 1 x 20 credits) according to the current workload model. This has been discussed and agreed with the course organiser and Head of Institute, as detailed above.

#### Risk assessment

Does the paper include a risk analysis? No

If 'Yes', in which section(s) of the paper is it set out?

#### Equality and diversity

Have due considerations been given to the equality impact of this paper? Yes

#### Freedom of information

Can this paper be included in open business? Yes

#### Any other relevant information

This proposal has been submitted directly to BOS as part of the special arrangements associated with the PCIM project.

#### Originator of the paper

*Tony Turner, Programme Director MSc Strength & Conditioning 26/02/2015*

**MHSE Board of Studies Course Amendment Information**

Mar 2015

Course Name/ Code Paediatric Factors in Sport / EDUA11054  
 Programme MSc Strength & Conditioning

SCQF credit level: 11 SCQF credit rating: 20

	PRE AMENDMENT	POST AMENDMENT
Learning Outcomes	<ol style="list-style-type: none"> <li>1. Examine the process of growth and maturation as it relates to physiological and psycho-social factors that impact on sports participation and training.</li> <li>2. Critically evaluate the general safety issues in relation to physical training of children and young people.</li> <li>3. Realise the physiological underpinnings of the response to extreme environments and how training and performance can be affected.</li> <li>4. Account for environmental factors in training and performance, including the adaptations observed in acclimatisation to environmental stressors.</li> </ol>	<p>On completion of this course the student will be able to:</p> <p><b>PAEDIATRIC FACTORS IN SPORT:</b></p> <ol style="list-style-type: none"> <li>1. Demonstrate a critical knowledge and understanding of the process of growth and maturation as it relates to physiological and psycho-social factors which impact on performance.</li> <li>2. Show critical awareness of complex and ethical issues about physical training of young people.</li> <li>3. Make informed judgements based on current professional practice regarding training for young people.</li> <li>4. Apply transformational pedagogy to improve performance of young people.</li> </ol> <p><b>ENVIRONMENTAL FACTORS IN SPORT:</b></p> <ol style="list-style-type: none"> <li>1. Demonstrate a critical knowledge and understanding of the physiological underpinnings of the response to travel and extreme environments and how training and performance can be affected.</li> <li>2. Critically review, consolidate and extend knowledge about how to account for</li> </ol>

		<p>environmental factors in training and performance, including the adaptations observed in acclimatisation/acclimation to environmental stressors.</p> <p>3. Develop evidence-based recommendations for managing athletes in challenging environments and with travel.</p>
<p>Elements of Summative Assessment (with % weightings)</p>	<p>For 20-credit course: 2000 word coursework assignment (50%) 2-hour examination (50%)</p>	<p>PAEDIATRIC FACTORS IN SPORT (10 credits): 2000 word coursework assignment (100%)</p> <p>ENVIRONMENTAL FACTORS IN SPORT (10 CREDITS): 2-hour examination (100%)</p>
<p>Formative Assessment Event</p>	<p>Feedback during class, discussing topics for 2000 word assignment, as well exam preparation during class</p>	<p>PAEDIATRIC FACTORS IN SPORT: There will be a 2-stage submission of the coursework assignment with students receiving formative feedback on a draft of a section of the assignment to facilitate: the development of self-assessment (reflection) in learning; deliver feedback to students about their learning; encourage lecturer and peer dialogue around learning; encourage positive motivational beliefs and self-esteem.</p> <p>ENVIRONMENTAL ASPECTS IN SPORT: During the course there will be an organised exam preparation session. In advance you will be asked to complete parts of a previous paper and then in class you can compare your responses with the model answers. This will be</p>

		combined with general advice regarding preparation for the exam.
Relationship between learning Outcomes and Assessment Instrument(s)	2000 word assignment addressed LOs 1 &2 Examination addressed LOs 1-4	PAEDIATRIC FACTORS IN SPORT: Assignment – addresses LOs 1-4  ENVIRONMENTAL FACTORS IN SPORT: Exam – addresses LOs 1-3
Assignment Success Criteria (if app)	<p>Assignment – this assignment is typically a critical review of current professional guidelines vs. scientific evidence on a topic which changes each year (“<i>You are expected to use existing scientific research and any other sources available to make an informed opinion regarding the above statement, critically considering available research evidence and associated assumptions</i>”). Therefore, the assessment criteria change each year depending on the topic. However, the headings for marking and feedback (uploaded into Grademark) remain the same and are shown on a subsequent page.</p> <p>Examination – 2 essays from a choice. Exam mark an average of the 2 marks. Specific marking guidelines provided for all questions in paper (changes every session), Draft paper reviewed by External Examiner.</p>	<p>PAEDIATRIC FACTORS IN SPORT: Assignment – this assignment is typically a critical review of current professional guidelines vs. scientific evidence on a topic which changes each year (“<i>You are expected to use existing scientific research and any other sources available to make an informed opinion regarding the above statement, critically considering available research evidence and associated assumptions</i>”). Therefore, the assessment criteria change each year depending on the topic. However, the headings for marking and feedback (uploaded into Grademark) remain the same and are shown on a subsequent page.</p> <p>ENVIRONMENTAL FACTORS IN SPORT: Exam - 2 essays from a choice. Exam mark an average of the 2 marks. Specific marking guidelines provided for all questions in paper (changes every session), Draft paper reviewed by External Examiner.</p>

Pass requirements (compensation/ aggreg)	Single mark for course calculated as weighted average of both marks.	A single mark for each course from the respective piece of assessment.
Graduate Attributes	Combination of the 2 lists for the new courses to the right.	<p>During this course students will have the opportunity to:</p> <p><b>PAEDIATRIC FACTORS IN SPORT:</b></p> <ul style="list-style-type: none"> <li>- search for, access, critically analyse, evaluate and synthesise relevant literature and information in order to develop their knowledge and understanding relating to strength and conditioning</li> <li>- critically question current strength and conditioning knowledge and training recommendations and how they relate to global challenges (e.g., health issues vs. performance)</li> <li>- recognise diversity of opinion in strength and conditioning, reflecting and evaluating this range and formulating justified and evidence-based ideas for application</li> <li>- reflect on social and ethical responsibilities linked to the application of their knowledge and judgments in strength and conditioning</li> <li>- transfer knowledge, skills and abilities from one professional context to another (e.g., sports vs. health context, or between different sports)</li> </ul> <p><b>ENVIRONMENTAL FACTORS IN SPORT:</b></p> <ul style="list-style-type: none"> <li>- search for, access, critically analyse, evaluate and synthesise relevant literature</li> </ul>

		<p>and information in order to develop their knowledge and understanding relating to strength and conditioning</p> <ul style="list-style-type: none"> <li>- critically question current strength and conditioning knowledge and training recommendations and how they relate to global challenges (e.g., health issues vs. performance)</li> <li>- recognise diversity of opinion in strength and conditioning, reflecting and evaluating this range and formulating justified and evidence-based ideas for application</li> <li>- reflect on social and ethical responsibilities linked to the application of their knowledge and judgments in strength and conditioning</li> <li>- transfer knowledge, skills and abilities from one professional context to another (e.g., sports vs. health context, or between different sports)</li> </ul>
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**APPENDIX 1: MARKING & FEEDBACK TEMPLATE**

**Paediatric Factors in Sport Assignment**

**Matric No.: sXXXXXXX**

**GENERAL COMMENTS (incl strengths & weaknesses)**

**CRITICAL EVALUATION OF LITERATURE**

**CONCLUSIONS REACHED & RECOMMENDATIONS FOR APPLICATION**

**SCIENTIFIC WRITING, STRUCTURE & PRESENTATION**

**Marked by:**

**Date:**

**Mark: .....%**