REGULATIONS FOR THE DEGREE OF BACHELOR OF SCIENCE IN EXERCISE AND HEALTH (BSc[Exercise&Health])

These regulations apply to students admitted to the 3-year Bachelor of Science in Exercise and Health (BSc[Exercise&Health]) curriculum in the academic year 2012-13.

See also General Regulations and Regulations for First Degree Curricula.

The degree of Bachelor of Science in Exercise and Health (BSc[Exercise&Health]) is awarded for the satisfactory completion, on a full-time basis, of a prescribed programme of study in Exercise Science.

Ed167 Admission to the degree

To be eligible for admission to the degree of Bachelor of Science in Exercise and Health, candidates shall

- (a) comply with the General Regulations;
- (b) comply with the Regulations for First Degree Curricula; and
- (c) satisfy all the requirements of the curriculum in accordance with these regulations and the syllabuses.

Ed168 Length of curriculum

The curriculum for the degree of Bachelor of Science in Exercise and Health shall normally require six semesters of full-time study, extending over not fewer than three academic years, and shall include any assessment to be held during and/or at the end of each semester. Candidates shall not in any case be permitted to extend their studies beyond the maximum period of registration of five academic years, unless otherwise permitted or required by the Board of Studies of the Institute of Human Performance.

Ed169 Selection of courses

- (a) Candidates shall select their courses in accordance with these regulations and the guidelines specified in the syllabuses before the beginning of each semester. Changes to the selection of courses may be made only during the add/drop period of the semester in which the course begins, and such changes shall not be recorded on the transcript of the candidate. Requests for changes after the designated add/drop period of the semester shall not normally be considered.
- (b) Withdrawal from courses beyond the designated add/drop period will not be permitted, except for medical reasons approved by the Board of Studies.

Ed170 Curriculum requirements

- (a) To complete the curriculum, candidates shall follow instruction in the syllabuses prescribed and
 (i) satisfy the requirements prescribed in UG5 of the Regulations for First Degree Curricula;
 - (i) complete successfully not fewer than 180 credits in the manner specified in these regulations and the syllabuses, comprising:
 - a 90-credit Major in Exercise Science, including a 12-credit dissertation as a Capstone Requirement,
 - 9 credits in language enhancement courses, including 6 credits in English language

enhancement and 3 credits in Chinese language enhancement¹,

- 12 credits of courses in the Common Core Curriculum, including not more than one course from the same Area of Inquiry, and
- 69 credits in elective courses.
- (b) Candidates shall normally be required to take not fewer than 24 credits nor more than 30 credits in any one semester (except the summer semester) unless otherwise permitted or required by the Board of Studies, or except in the last semester of study when the number of outstanding credits required to complete the curriculum requirements may be fewer than 24 credits.
- (c) Candidates may, of their own volition, take additional credits not exceeding 6 credits in each semester, and/or further credits during the summer semester, accumulating up to a maximum of 72 credits in one academic year. With the special permission of the Board of Studies, candidates may exceed the annual study load of 72 credits in a given academic year provided that the total number of credits taken does not exceed the maximum curriculum study load of 216 credits for the normative period of study specified in the curriculum regulations, save as provided for under Ed170(d).
- (d) Where candidates are required to make up for failed credits, the Board of Studies may give permission for candidates to exceed the annual study load of 72 credits provided that the total number of credits taken does not exceed the maximum curriculum study load of 360 credits for the maximum period of registration specified in the curriculum regulations.

Ed171 Advanced standing and credit transfer

- (a) Advanced standing may be granted to candidates in recognition of studies completed successfully in an approved institution of higher education elsewhere in accordance with UG2 of the Regulations for First Degree Curricula. Credits granted for advanced standing shall not be included in the calculation of the GPA but will be recorded on the transcript of the candidate.
- (b) Candidates may, with the approval of the Board of Studies, transfer credits for courses completed at other institutions at any time during their candidature. The number of transferred credits will be recorded on the transcript of the candidate, but the results of courses completed at other institutions shall not be included in the calculation of the GPA. The number of credits to be transferred shall not exceed half of the total credits normally required under the degree curricular of the candidates during their candidature at the University.

Ed172 Assessment and grades

- (a) Candidates shall be assessed for each of the courses for which they have registered, and assessment may be conducted in any combination of coursework, written examinations and/or other assessable activities. Only passed courses will earn credits. Grades shall be awarded in accordance with UG8 of the Regulations for First Degree Curricula.
- (b) Courses in which candidates are given an F grade shall be recorded on the transcript of the candidate, together with the new grade if the candidate is re-examined as a second attempt or retakes the failed course. All failed grades shall be included in calculating the GPA and shall be taken into account for the purposes of determining eligibility for award of the BSc(Exercise&Health) degree, honours classification and whether a candidate shall be recommended for discontinuation of studies.
- (c) Candidates shall not be permitted to repeat a course for which they have received a D grade or above for the purpose of upgrading.
- (d) There shall be no appeal against the results of examinations and all other forms of assessment.

¹ Candidates who have not studied the Chinese language during their secondary education or who have not attained the requisite level of competence in the Chinese language to take CEDU1006 may apply for exemption and take a credit-bearing Cantonese or Putonghua language course offered by the School of Chinese (especially for international and exchange students) or take an elective in lieu. Candidates from the Mainland shall take CUND0002 Practical Chinese and Hong Kong Society or CUND0003 Cantonese for Non-Cantonese speaking students.

Ed173 Absence from examinations

Candidates who are unable, because of illness or other acceptable reason, to be present at the written examination of any course may apply for permission to present themselves at a supplementary examination of the same course to be held before the beginning of the First Semester of the following academic year. Any such application shall be made within two weeks of the first day of the candidate's absence from any examination. Any supplementary examination shall be part of that academic year's examinations, and the provisions made in these regulations for failure at the first attempt shall apply accordingly.

Ed174 Retaking / re-examination of failed course(s)

- (a) Candidates who have failed to satisfy the examiners in course(s), but have
 - completed successfully 36 or more credits in two consecutive semesters (not including the summer semester), except where candidates are not required to take such a number of credits in the two given semesters; and
 - achieved an average Semester GPA of 1.0 or higher for two consecutive semesters (not including the summer semester),

shall be required, as specified by the relevant Board of Examiners:

- (i) to undergo re-assessment(s)/re-examination(s) in the failed course(s) to be held no later than the end of the following semester (not including the summer semester); or
- (ii) to re-submit failed coursework, without having to repeat the same course of instruction; or
- (iii) to retake the failed course(s) by undergoing instruction and satisfying the assessments; or
- (iv) for elective course(s), to take another course in lieu and to satisfy the assessment requirements.
- (b) Candidates shall not be permitted to retake a failed course or present themselves for re-examination as a second attempt if they have otherwise satisfied all the requirements stipulated in these regulations for the award of the BSc(Exercise&Health) degree.

Ed175 Failure in re-examination

- (a) Candidates who have failed to satisfy the examiners at re-assessment(s)/re-examination(s), granted under Regulation Ed174, of course(s) in the Exercise Science Major shall normally:
 - (i) if these courses total not more than 12 credits, be permitted to progress to the following year of study and to present themselves for re-examination(s) in any prescribed form of examination; or
 - (ii) if these courses total more than 12 credits, be recommended for discontinuation of their studies as stipulated under Regulation Ed176(d).
- (b) Candidates who have failed to satisfy the examiners at a supplementary examination, granted under Regulation Ed173, shall be permitted to present themselves for re-assessment, in accordance with Regulation Ed174, as directed by the Board of Examiners.

Ed176 Discontinuation

Unless otherwise permitted by the Board of Studies, candidates shall be recommended for discontinuation of their studies if they have:

- (a) failed to complete successfully 36 or more credits in two consecutive semesters (not including the summer semester), except where candidates are not required to take such a number of credits in the two given semesters; or
- (b) failed to achieve an average Semester GPA of 1.0 or higher for two consecutive semesters (not

including the summer semester); or

- (c) failed in the Capstone Requirement; or
- (d) failed to satisfy the examiners at re-assessment(s)/re-examination(s) of course(s) in the Exercise Science Major, granted under Regulation Ed174, of more than 12 credits; or
- (e) exceeded the maximum period of registration specified in Regulation Ed168.

Ed177 Award of the degree and honours classifications

- (a) To be eligible for the award of the degree of Bachelor of Science in Exercise and Health, candidates shall have successfully completed the curriculum as stipulated under Regulation Ed170.
- (b) Honours classifications for the degree of Bachelor of Science in Exercise and Health shall be awarded in five divisions: First Class Honours, Second Class Honours Division One, Second Class Honours Division Two, Third Class Honours and Pass. The classification of honours shall be determined by the Board of Examiners for the degree in accordance with the following Cumulative GPA scores stipulated in UG9(a) of Regulations for First Degree Curricula, with all courses taken (including failed courses, but not including courses approved by the Senate graded as 'Pass', 'Fail' or 'Distinction') carrying equal weighting:

<u>Class of honours</u>	CGPA range
First Class Honours	3.60 - 4.30
Second Class Honours	(2.40 - 3.59)
Division One	3.00 - 3.59
Division Two	2.40 - 2.99
Third Class Honours	1.70 - 2.39
Pass	1.00 - 1.69

- (c) Honours classification may not be determined solely on the basis of a candidate's Cumulative GPA and the Board of Examiners for the degree may, at its absolute discretion and with justification, award a higher class of honours to a candidate deemed to have demonstrated meritorious academic achievement but whose Cumulative GPA falls below the range stipulated above of the higher classification by not more than 0.1 Grade Point.
- (d) A list of candidates who have successfully completed all degree requirements shall be posted on Faculty notice boards.

SYLLABUSES FOR THE DEGREE OF BACHELOR OF SCIENCE IN EXERCISE AND HEALTH (BSc[Exercise&Health])

Candidates are required to complete courses totaling not fewer than 180 credits, comprising:

- (i) a 90-credit Major in Exercise Science, including a 12-credit dissertation as a Capstone Requirement;
- (ii) 6 credits in English language enhancement courses;
- (iii) 3 credits in a Chinese language enhancement course¹;
- (iv) 12 credits of courses in the Common Core Curriculum, including not more than one course from the same Area of Inquiry; and
- (v) 69 credits in elective courses.

Candidates are encouraged to obtain the First Aid Certificate recognized by the Government of Hong Kong Special Administrative Region before graduation.

FIRST YEAR

Candidates shall normally take 60 credits, comprising:

- 24 credits introductory level courses in the Exercise Science Major
- a 3-credit Chinese language enhancement course¹
- 6 credits in English language enhancement courses
- 12 credits of courses in the Common Core Curriculum, including not more than one course from the same Area of Inquiry²
- 15 credits in elective courses

SECOND YEAR

Candidates shall normally take 60 credits, comprising:

- 36 credits in core advanced level courses in the Exercise Science Major
- 24 credits in elective courses

THIRD YEAR

Candidates shall normally take 60 credits, comprising:

- 18 credits in advanced level disciplinary electives in the Exercise Science Major
- a 12-credit Dissertation course
- 30 credits in elective courses

¹ Candidates who have not studied the Chinese language during their secondary education or who have not attained the requisite level of competence in the Chinese language to take CEDU1006 may apply for exemption and take a credit-bearing Cantonese or Putonghua language course offered by the School of Chinese (especially for international and exchange students) or take an elective in lieu. Candidates from the Mainland shall take CUND0002 Practical Chinese and Hong Kong Society or CUND0003 Cantonese for Non-Cantonese speaking students.

² Candidates may take Common Core course(s) in year 2 to fulfill the requirement. In that case, the number of credits in elective course normally required in years 1 and 2 has to be adjusted accordingly.

Introductory Level Courses (Year 1)

Students are required to complete all the following introductory level courses of 24 credits in total in year 1.

PBSL1111 Kinetic anatomy (6 credits)

This course provides an introduction to the gross anatomy of the human body, with an underlying emphasis on anatomy for human movement. Areas covered usually include the tissue types, the anatomical referencing system, the axial and appendicular skeleton, important nerves, blood vessels and skeletal muscles, and an overview of the heart, lungs and viscera.

Assessment will be 30% coursework and 70% examination.

PBSL1114 Physiology for human movement (6 credits)

The course is designed to provide students with an understanding of the underlying physiological processes enabling human movement. Topics normally covered include nutrition and energy, skeletal muscle function, neural control of movement, cardiovascular function, respiratory function and endocrine function.

Assessment will be 20% coursework and 80% examination.

PBSL1120 Foundations of exercise science (6 credits)

This course provides an introduction to exercise science as a field of study by providing an overview of (1) the sub-disciplines that provide the knowledge base for the discipline of exercise science and (2) the professions that depend on exercise science for their practice. Key biological themes related to adaptation and maturation will be used to exemplify the contributions that studies of the anatomical, mechanical, physiological, neural, and psychological and socio-cultural studies of human physical activity can make to human health and performance.

Assessment will be 60% coursework and 40% examination.

PBSL1121 Physical activity and health (6 credits)

This course investigates the role of physical activity in the maintenance of good physical health and avoidance of disease. The epidemiological evidence for physical inactivity as a causative factor in various lifestyle related disorders is introduced, and the use of physical activity and exercise as effective means of health management is investigated.

Assessment will be 100% coursework.

Core Advanced Level Courses (Years 2 and 3)

PBSL2229 Exercise physiology (6 credits)

This course provides an introduction to energy metabolism and the changes that occur in response to

physical exercise. Emphasis is placed on the respiratory, cardiovascular and muscular systems, and the principles of exercise testing and prescription. Introductory level knowledge of physiology and biochemistry would be an advantage.

Assessment will be 30% coursework and 70% examination.

PBSL2233 Biomechanics (6 credits)

Biomechanics is the area of exercise science concerned with the application of mechanics to the study of human movement. Biomechanics is traditionally divided into sub-areas of kinematics – the analysis of the movements of the body – and kinetics – the analysis of the forces associated with the movements of the body. This course offers an introduction to basic biomechanical principles and shows how these principles can be applied to the analysis of simple and more complex human movement.

Assessment will be 30% coursework and 70% examination.

PBSL2234 Fundamentals of motor control and learning (6 credits)

Human movement is a highly complex process. Simply negotiating your way to lectures requires the processing of a host of sensory information, effective decision making, and the coordinated contraction and relaxation of skeletal muscles. This course offers an introductory overview of how we control movement and how we develop and refine our movement skills. Emphasis is placed on basic principles and their application to health and exercise.

Assessment will be 70% coursework and 30% examination.

PBSL2236 Sport and exercise psychology (6 credits)

The course will introduce students to both theoretical and applied aspects of psychological phenomena in sport and exercise. Students will consider a broad range of topics that are key in the field, including unidimensional and multidimensional theories of stress and anxiety in performance, motivation and goal setting, team cohesion, cognitive control strategies and aggression, coaching practice and expert/ novice differences. An introductory knowledge of psychology is highly recommended.

Assessment will be 100% coursework.

PBSL2237 Research design and analysis for exercise and health (6 credits)

This course introduces students to the common research design and statistical methods used in exercise sciences. It also provides practical experience in describing and analyzing data using the statistical package for the social sciences (SPSS).

Assessment will be 60% coursework and 40% examination.

PBSL2238 Measurement of physical activity (6 credits)

The course aims to develop an understanding of how different aspects of physical activity are assessed. The primary focus of the course is on the objective measurement of physical activity and key areas covered include the measurement of energy expenditure, as well as cardiopulmonary and mechanical responses to physical activity of varying intensities.

Assessment will be 80% coursework and 20% examination.

PBSL2239 Exercise prescription and training (6 credits)

The course provides students with hands-on skills for fitness (wellness) coaching for a wide spectrum of athletes / clientele. The course will provide students with the skills to plan, design, instruct and monitor a proper training program (exercise prescription) for the client. Basic knowledge of human anatomy and exercise physiology are highly recommended.

Assessment will be 60% coursework and 40% examination.

PBSL3998 Dissertation (12 credits) (Year 3) (A Capstone Requirement)

The dissertation is an opportunity for students to undertake a significant independent piece of research work; to build and demonstrate knowledge and research skills in a particular sub-area of physical activity and exercise science, and to show ability in writing in the normal academic style of a journal article. Students taking the dissertation should have already completed a statistics course. Assessment will be 100% coursework.

Advanced Level Disciplinary Electives (Years 2 and 3)

Candidates are required to complete 18 credits from the following advanced disciplinary level electives during years 2 and 3.

PBSL3301 Internship (6 credits)

The internship is designed to give students first hand experience in the working environment relevant to sport, recreation, health and physical activity. Each student will be placed in an approved institution (120-180 hours in total) and will evaluate the appropriate skills and techniques utilized in specific settings.

Assessment will be 100% coursework.

PBSL3334 Advanced exercise physiology (6 credits)

This course provides a more advanced understanding of the respiratory and cardiovascular adaptations to physical exercise; plus areas of applied work physiology (e.g. diving, altitude, thermoregulation, water balance and ergogenics).

Assessment will be 40% coursework and 60% examination.

PBSL3335 Advances in skill learning (6 credits)

The course will introduce students to an in depth examination of both theoretical and applied aspects of skill learning. Students will trace the development of the field, from the early work in psychology and sport science through to contemporary developments in movement rehabilitation. A significant component of the course will be dedicated to experimental work, with students expected to develop and test empirically their own hypotheses.

Assessment will be 100% coursework.

PBSL3337 Physical activity and disability (6 credits)

This course provides an overview of the relationship between physical/psycho-social health and physical activity in persons with disabilities. It also explores the current concepts and trends in adapted physical activity.

Assessment will be 50% coursework and 50% examination.

PBSL3338 Physical activity and diseases of inactivity (6 credits)

Obesity is emerging as one of the greatest threats to world public health. Obesity and several other serious diseases (coronary heart disease, diabetes, osteoporosis and some cancers) all have one thing in common – they are associated with physical inactivity. This course will examine the physiological bases upon which physical inactivity leads to disease and evaluate the role physical activity plays in the prevention and treatment of lifestyle diseases. An introductory knowledge of physiology is highly recommended.

Assessment will be 100% coursework.

PBSL3339 Public health promotion of physical activity (6 credits)

This course introduces the concepts and methods of using physical activity as a public health tool. The distribution of physical inactivity in the population will be discussed in context with the health of the population, and the evidence base for effective interventions will be reviewed. The course will also review how the evidence base informs national and international policy aimed at promoting physical activity.

Assessment will be 70% coursework and 30% examination.

PBSL3340 Special topics in exercise sciences (6 credits)

This course introduces the students into a current topic that is of special interest to the field of Exercise Sciences. The course focuses on one target article written by a leading expert in the field of exercise sciences. Instead of learning the facts, student will learn to form an educated opinion on the topic, both orally and in writing. To this end, students will conduct short literature searches to enhance their understanding of the key concepts that underlie the topic, may acquire specific data collection techniques and/or complete empirical data collection.

Assessment will be 100% coursework.

PBSL3341 Recent advances in exercise and health (6 credits)

Students taking this course will be given an overview of recent advances in the field of Exercise and Health. The course will normally focus on one specialist area that will provide students with detailed learning opportunities that may involve combinations of lectures, seminars, labs, empirical data collection, student presentations and other learning experiences. When offered, the specialist area of this course may change from year to year and more detailed information about the specialism should be obtained from the Institute of Human Performance (IHP) Academic Office. Assessment will be 100% coursework.

PBSL3342 Current concepts in exercise and health (6 credits)

This course introduces students to a current concept that is relevant to the discipline. Students will seek to develop their own opinion of the current concept by conducting an in-depth literature search, acquiring an understanding of the specific data collection and analyses techniques relevant to the concept and/or completing empirical data collection. Students are encouraged to choose a concept that aligns with their final year dissertation.

Assessment will be 100% coursework.

PBSL3343 Advanced measurement of physical activity (6 credits)

The course develops a critical appreciation of the measurement of different aspects of physical activity. The course will present measurement within the context of a research project, with particular emphasis on current gold-standard means of data collection. Various measurement techniques and their application will be presented and may include the measurement of human movement, energy expenditure, muscle and neural function.

Assessment will be 100% coursework.

PBSL3344 Advanced exercise prescription and training (6 credits)

The course is designed to complement PBSL2239 Exercise Prescription and Training and will build upon the basic knowledge with applied knowledge of optimal testing and measurements which guide exercise prescription strategies and the effective design of exercise training programmes for specific populations. At the end of the course students will be able to form an evidence-based opinion on exercise prescription and training and be aware of the state-of-the-science developments in this area. Assessment will be by 60% coursework and 40% examination.

PBSL3345 Applied anthropometry (6 credits)

This course introduces students to the theoretical and practical skills of anthropometry, the study of human body dimensions and composition. Students will aim to acquire practice and theoretical competency at the internationally accredited ISAK Level 1, and be able to apply this information to physical activity, health and dietary/nutrition-related situations.

Assessment will be 70% coursework and 30% examination.

PBSL3346 Sport and Exercise Nutrition (6 credits)

"The amount, composition and timing of food intake can profoundly affect sports performance" – International Olympic Committee (Maughan et al, 2004)

This course provides students with current evidence-based knowledge of sport and exercise nutrition and demonstrates the link between nutrition and sport performance. More specifically, this course will cover the role of major macronutrients, minerals, vitamins, antioxidants, supplements and fluid intake in sustaining and enhancing sports performance. To facilitate understanding of the key principles of sports and exercise nutrition, a fundamental knowledge of exercise physiology and/or biochemistry would be an advantage.

Assessment will be 50% coursework and 50% examination.

PBSL3347 Rehabilitation Science (6 credits)

This course will present both theoretical perspectives and applied aspects of rehabilitation science. Students will study human functional capacity as it relates to deficits of neuromuscular, cardiovascular and respiratory mechanisms that underlie functional disability. Emphasis is placed on the application of fundamental theoretical principles to enhance human performance of persons with movement difficulties in dynamic environments.

Assessment will be 100% coursework

LANGUAGE ENHANCEMENT COURSES (Year 1)

English Language Enhancement

CAES1409 General English for Exercise&Health students (3 credits)

This course provides the opportunity for students to enhance their English proficiency skills for general purposes. The following skills are taught: pronunciation, vocabulary and Powerpoint presentation.

Assessment is 100% by coursework.

CAES1410 Professional communication skills for Exercise&Health students (3 credits)

This course prepares students to communicate effectively in work situations which entail the use of oral and written English. The emphasis is on the development of report writing and oral English skills. They are required to conduct an investigation into Exercise and Health issues in Hong Kong. Assessment is 100% by coursework.

Chinese Language Enhancement

CEDU1006 Practical Chinese Language Course for BSc (Exercise&Health) Students (3 credits)

This course aims to promote the professional use of the Chinese language in the field of Exercise Science. It helps to sharpen the students' skills in writing formal official letters, notices and announcements, memos, faxes, target-oriented instructions, brochures and leaflets, proposals and reports. There are also drilling practices to familiarize the students with the frequently used technical terms in their simplified forms

Assessment will be 50% coursework and 50% written examination.

CUND0002 Practical Chinese Language and Hong Kong Society (3 credits)

This course is designed for the students from the Mainland. With Putonghua as the medium of instruction, it aims to underscore the characteristic styles and formats of practical Chinese writings in the workplace context in Hong Kong. The students are trained to write business letters, office documents, proposals, and reports. Also, topics addressing the rhetorical strategies for reader-oriented business writings are included to strengthen the students' command of the language. In the Chinese characters component, drilling practices provide ample opportunity for the students to learn to convert simplified characters into their traditional forms. Besides, this course also includes topics on Chinese language and the history of Hong Kong society and culture to deepen the students' understanding of the city.

Assessment will be 50% coursework and 50% examination.

CUND0003 Cantonese for Non-Cantonese Speaking Students (3 credits)

This course is intended first and foremost to provide students with a proper understanding of the Cantonese dialect and with the basic skills to engage in conversations in everyday situations. Special emphasis will be placed on the correspondences between Cantonese and Putonghua, the cultural differences, the customs and conventions of Hong Kong people as well as the characteristic features of life in Hong Kong. No prior knowledge of Cantonese is required, but students must have a high level of proficiency in Putonghua and written Chinese.

Assessment will be 100% coursework.

COMMON CORE CURRICULUM (12 credits) (By Year 2)

Candidates are required to complete 12 credits of courses in the Common Core Curriculum, including not more than one course from the same Area of Inquiry.

ELECTIVE COURSES (69 credits) (Years 1 to 3)

Candidates are required to complete 69 credits in elective courses.