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SRL 3140 Design and Management of Sport (3,3,0) and Recreation Facilities

This course aims to provide students with an overview of different types of sport and recreation facilities and the management of such facilities. Special attention would be directed towards the understanding of accessibility as applied to facility designs.

SRL 3150 Financial and Human Resources (3,3,0) Management in Sport and Recreation

This course equips students with basic knowledge of management theories, concepts and skills with a focus on financial management and human resources management. The practical applications of these theories, concepts and skills to recreation settings will be provided.

SRL 3160 Sport and Recreation for Persons (3,3,0) with Physical and Intellectual Disabilities

This course provides students with knowledge on the opportunities for sport and recreation for persons with physical and intellectual disabilities. Focus will be place on the international and local organizations responsible for providing sport and recreation programmes for these populations. Current issues such as equal opportunity, attitudes, and legal and politics related to competitive sport for persons with physical and intellectual disabilities will also be explored.

SRL 3170 Health Fitness Assessment and (3,2,1) Exercise Prescription

Prerequisite: CS 2216 Tests and Measurement in Sport and Recreation or equivalent

This course aims to provide students with a thorough understanding of health fitness assessment and exercise prescription. Students will be have hands-on experiences in making assessments in laboratory and field settings on persons with special needs and acquire ability to interpret results and prescribe appropriate health fitness programmes.

SRL 3180 Internship II (3,0,3)

This course requires students to work for at least 300 hours under the supervision of a faculty supervisor and the agency supervisor. Students will be expected to observe the agency at work and to assist the agency in planning and leading activities. A diversity of experiences (working with mainstream population and with persons with special needs) is preferred.

SRL 3620 Leisure Counselling (3,3,0)

This course aims to provide students with an opportunity to understand the individual and social dynamics influencing leisure choices. Students will acquire basic counselling and educational intervention techniques to help clients with diverse socio-cultural backgrounds, interest and physical/intellectual abilities to identify and overcome constraints to pursue leisure activities.

SRL 3630 **Research Methods** (3,3,0) This course aims to provide students with knowledge of the process of conducting research. Students will develop skills in reading and understanding current research reports, writing up research proposals, and completing an independent piece of small scale research. They will also acquire skills in qualitative and quantitative data entry, use of appropriate software to analyse data and make interpretations.

SRL3640Independent Project(3,0,3)Prerequisite:SRL 3630 Research Methods

The purpose of the Independent Project is to allow students to apply knowledge accumulated from the programme to pursue a small-scale research on a specific topic of their interest under the guidance of an appointed faculty member.

SRL 3650 Sports for Persons with Special Needs (3,1,2) This course aims to provide students with knowledge to demonstrate, organize and teach/coach a variety of alternate

sports—such as floor hockey, floorball, sandshoe, goalball, boccia and gatebal—for persons with special needs.

SRL 3660 Planning and Leading Water (3,2,1) Activities

Prerequisite: ES 0046 Swimming or equivalent

This course aims to provide students with knowledge related to designing, planning and leading a variety of water (pool) activities for persons with special needs. Students will be provided with opportunities to apply knowledge to practical situations.

STAT	1131	Statistical Methods and Theory I (3	,3,1)
Prerequi	isite:	A-Level Pure Mathematics, A-Level/AS-	Level
		Applied Mathematics or AS-Level Mathematics	natics
		and Statistics	

This course deals with the statistical methods and theory. The emphasis is on what, how, when and why certain statistical methods can and cannot be applied. Topics include exploratory data analysis, estimation, hypothesis testing, analysis of variance, simple linear regression and nonparametric methods. Students are required to solve a variety of problems by using calculators and statistical packages such as SAS, MINITAB, SPSS, S-PLUS or R.

STAT1132Statistical Methods and Theory II(3,3,1)Prerequisite:STAT 1131 Statistical Methods and Theory I

This course deals with the elementary probability theory and the mathematical foundation of some commonly used statistical methods. First the rigorous mathematical frame of the probability theory based upon the concepts of random variables and probability distributions are introduced. The general procedures of statistical inference, such as parameter estimation, hypothesis test, analysis of variance are demonstrated with detailed discussion about their mathematical features. Students are required to comprehend the most commonly used probability distributions and their relations. Central Limit Theorem and related statistical application should be well understood. Several optimal schemes for the estimation accuracy and the hypothesis test power form another important part of the course.

STAT 1210 Probability and Statistics for Computer (3,3,1) Science

Antirequisite: STAT 1620 Computer-aided Statistics

Prerequisite: MATH 1000 Supplementary Mathematics (Calculus and Linear Algebra) or Grade D or above in AL Pure Mathematics

This course aims to provide an understanding of the basic concepts in probability and statistical analysis, and focuses on applied probability and statistics. Students will learn the fundamental concepts of random variables, the basic concepts and techniques of parameter estimation and hypothesis testing. After taking this course, students will be able to apply the concepts to real-life IT/engineering applications and use popular statistics packages, such as SAS, SPSS, S-Plus, R or MATLAB, to perform simple and sophisticated analysis.

STAT1620Computer-aided Statistics(3,3,0)Antirequisite:BUS1200Statistics for Business or STAT1131Statistical Methods and Theory I

This course deals with the statistical analysis using commercial grade computer software. It provides statistical concepts and methods so that the students learn how to make correct statistical inference by using appropriate methods. This course is NOT for students whose programmes are offered by the Department of Mathematics.

STAT1650Statistics and Our Society(3,3,0)Prerequisite:HKCEE Mathematics

Issues of data and chance permeate everyday life in the news, advertisements, medical and business communications. This course focuses on developing the statistical thinking needed to gain insight from this information in order to make informed