INSTITUTE AND FACULTY OF ACTUARIES

Accreditation agreement between the Institute and Faculty of Actuaries and The University of Hong Kong

Revised June 2014

1. Accreditation exemptions

This accreditation agreement relates to the BSc in Actuarial Science (the Programme) offered by the Department of Statistics and Actuarial Science at the University of Hong Kong (the University). The Institute and Faculty of Actuaries (IFoA) subjects covered by this agreement are:

IFA subject
CT1 Financial Mathematics
CT2 Finance and Financial Reporting
CT3 Probability and Mathematical Statistics
CT4 Models
CT5 Contingencies
CT6 Statistical Methods
CT7 Business Economics
CT8 Financial Economics

Each student's Accreditation Average will be calculated as the weighted average of the module marks on the modules corresponding to the subjects listed above as referenced below. If the student is awarded the BSc in Actuarial Science and attains an Actuarial Average of 65% or above, a recommendation for exemption will be given for these subjects.

The coursework component of each module included in the Accreditationl Average may carry up to 30% of the of the total module marks.

The average mark for exemptions must be calculated across all relevant actuarial modules, for which the student attempts the module, even if this is across more modules than are required for the University qualification, or more subjects than required for the Professional qualification.

A minimum mark (which must be at least 40%), without condonement or compensation for fail marks, must be obtained in each module, included in the calculation of the Accreditation Average, if exemptions by accreditation are to be awarded. If the minimum mark is not obtained in every module then subject by subject exemptions, as set out in Part 2, are the only option.

Discretion may be applied by the Independent Examiner(s) in awarding full exemptions to students who fall short of the required Accreditation Average.

If a student passes a module by virtue of condonement or compensation but without achieving the minimum mark, the student may re-sit that module if the university agrees, but the effect of the re-sit can only be to take the mark to the pass mark.

If a student fails a module and needs to re-sit a module in order to obtain the University qualification or to progress in the course, the maximum mark for that module that can be included in the calculation of that student's Accreditation Average for exemptions is the pass mark.

Students may not re-sit modules that they have passed under the University's rules, with the sole intention of increasing their Accreditation Average.

However, if a re-sit is treated by the University as a first attempt for whatever reason it will also be treated as a first attempt for exemption purposes.

The re-sit rules above are the minimum requirements; The University can apply harsher requirements as appropriate. Any re-sit paper must go through the same rigorous process of setting and approval by the Independent Examiner(s) as the original papers.

Modules to be covered

STAT1801/STAT2901 Probability and Statistics: Foundations of Actuarial Science
STAT1802/STAT2902 Financial Mathematics
STAT2801/STAT3901 Life Contingencies
STAT2802/STAT3902 Statistical Models
STAT2803/STAT3903 Stochastic Models
STAT2804/STAT3907 Linear Models and Forecasting
STAT2805/STAT3908 Credibility Theory and Loss Distributions
STAT2807/STAT3904 Corporate Finance for Actuarial Science

STAT2812/STAT3910 Financial Economics I
STAT2820/STAT3905 Introduction to Financial Derivatives
STAT3801/STAT3909 Advanced Life Contingencies
STAT3810/STAT3906 Risk Theory/Risk Theory I
STAT3821/STAT3911 Financial Economics II

BUSI1002/ACCT1101 Introduction to Accounting/Introduction to Financial Accounting

ECON1001/ECON1210 Introduction to Economics I
ECON1002/ECON1220 Introduction to Economics II or:
ECON2113/ECON2211 Microeconomic Analysis
ECON2114/ECON2221 Macroeconomic Analysis

Plus at least 3 of the following courses:

STAT3802/STAT3951 Advanced Contingencies
STAT3809/STAT3954 Current Topics in Actuarial Science
STAT3811/STAT3955 Survival Analysis
STAT3820/STAT3956 Pension Funds and Pension Mathematics
STAT3321/STAT4607 Credit Risk Analysis
STAT3322/STAT4608 Market Risk Analysis
STAT3822/STAT4901 Risk Theory II
STAT4903 Actuarial Techniques for General Insurance *(new)*
FINA0102/FINA2330 Financial Markets and Institution

2. Subject by Subject exemptions

A student who is awarded the BSc in Actuarial Science but who does not achieve the Actuarial Average of at least 65% may be awarded exemptions from those individual subjects for which their module marks reach the standard agreed by the Independent Examiner(s). The relevant modules are:

University module	Exemption subject
STAT1802/STAT2902 Financial Mathematics STAT2820/STAT3905 Introduction to Financial Derivatives	CT1 Financial Mathematics
FINA0102/FINA2330 Financial Markets and Institution BUSI1002/ACCT1101 Introduction to Accounting/Introduction to Financial Accounting STAT2807/STAT3904 Corporate Finance for Actuarial Science	CT2 Finance and Financial Reporting
STAT1801/STAT2901 Probability and Statistics: Foundations of Actuarial Science STAT2802/STAT3902 Statistical Models STAT2804/STAT3907 Linear Models and Forecasting	CT3 Probability and Mathematical Statistics
STAT2801/STAT3901 Life Contingencies STAT3801/STAT3909 Advanced Life Contingencies STAT3802/STAT3951 Advanced Contingencies	CT5 Contingencies
STAT2804/STAT3907 Linear Models and Forecasting STAT3810/STAT3906 Risk Theory/ Risk Theory I STAT2805/STAT3908 Credibility Theory and Loss Distributions STAT3822/STAT4901 Risk Theory II	CT6 Statistical Methods
ECON1001/ECON1210 Introduction to Economics I ECON1002/ECON1220 Introduction to Economics II OR ECON2113/ECON2211 Microeconomic Analysis ECON2114/ECON2221 Macroeconomic Analysis	CT7 Business Economics

No individual exemptions are available for subjects CT4 Models and CT8 Financial Economics.

As with the accreditation exemptions, re-sit marks can only be counted for exemptions where the student needs to re-sit a module in order to obtain the University qualification or to progress to the next stage of the course. Students may not re-sit modules with the intention of increasing their module marks solely for subject by subject exemptions. The maximum mark for a re-sit module that can be included in the calculation of a student's exemption mark is the pass mark.

However, if a re-sit is treated by the University as a first attempt for whatever reason it will also be treated as a first attempt for exemption purposes.

The re-sit rules above are the minimum requirements; The University can apply harsher requirements as appropriate. Any re-sit paper must go through the same rigorous process of setting and approval by the Independent Examiner as the original papers.