**POST-GRADUATE STUDENT ADMISSION**

**TO MASTER OF SCIENCE DOUBLE DEGREE PROGRAMME**

**ANNEX A**

**I. Residency Requirement**

Students enrolled in the NUS Master’s programme were required to spend a minimum of six months at NUS according to NUS residency requirement for MSc degree.

**II. Course Structure and Curriculum**

Students enrolled in the NUS MSc by research program are full-time students and are required to attend and pass a minimum of 4 modules (1 compulsory seminar module + 3 modules from level 5000 and above including up to 2 modules which may be replaced by an equivalent module from PKU MSc courses).

Students enrolled in the NUS MSc programme were required to submit a thesis in English to be examined according to NUS guidelines for MSc theses.

The following table shows the modules offered for MSc candidates in Chemistry at NUS.

|  |  |
| --- | --- |
| CM5111  | Graduate Inorganic Chemistry  |
| CM5121  | Graduate Organic Chemistry  |
| CM5131  | Graduate Physical Chemistry  |
| CM5141  | Graduate Analytical Chemistry  |
| CM5198  | Graduate Seminar Module  |
| CM5201  | Practical Synthetic and Analytical Chemistry  |
| CM5211  | Contemporary Organometallic Chemistry  |
| CM5221  | Advanced Organic Synthesis  |
| CM5222  | Bioorganic Chemistry  |
| CM5223  | Topics in Supramolecular Chemistry  |
| CM5224  | Emerging Concepts in Drug Discovery  |
| CM5237  | Advanced Optical Spectroscopy and Imaging  |
| CM5238  | Crystallization and Functional Materials  |
| CM5241  | Modern Analytical Techniques  |
| CM5243  | X-Ray Crystallography - A Practical Approach  |
| CM5244  | Topics in Environmental Chemistry  |
| CM5245  | Bioanalytical Chemistry  |
| CM5262  | Contemporary Materials Chemistry  |
| CM5268  | Advanced Organic Materials  |

A list of PKU equivalent modules acceptable as NUS equivalent modules are given below.

|  |  |
| --- | --- |
| **NUS MODULES**  | **PKU MODULES**  |
| ESE 5205 Sludge and Solid Waste Management  | Wastes management - principles and techniques  |
| ESE 5301 Environmental Biological Principles  | Advanced Environmental Biotechnology and bioenergy  |
| ESE 5601 Environmental Risk Assessment  | Modern environmental monitoring and analysis  |
| ESE 5602 Environmental Management Systems  | Environmental impact assessment  |
| ESE 5401 Water Quality Management  | Water and environment research topics  |
| ESE 5405 Water Treatment Processes  | Water Treatment Principles and Engineering  |
| SH 5104 Occupational Health  | Environment and Health  |

**III. Double Counting**

NUS MSc students may substitute CM5000 modules with level-5 modules from other departments at NUS. The student can take up to 50% of the level 5 modules from other departments or faculties subject to approval of both Chemistry Department Graduate Committee, and the departments from which he/she wants to take the modules.

Students admitted into NUS MSc program may request for waiver of a maximum of 2 modules based on equivalent modules taken at PKU (at least one of the two modules should not have been used towards another degree at NUS or elsewhere) subjected to approval of Chemistry Department Graduate Committee.

**IV. Double Degree Requirement**

To graduate with both degrees, a candidate must independently fulfil both the NUS and PKU requirements. PKU students must successfully complete their coursework and thesis requirements of PKU before applying for admission into NUS. Students enrolled at NUS must successfully

1. achieve a minimum CAP of 3.0 for all modules;
2. obtain at least a grade C in the graduate English courses conducted by the Centre for English Language Communication at intermediate level (if applicable); and
3. pass the Master’s Thesis.

**V. Quality Assurance Processes**

The double-degree programme will be subject to a quality control by Chemistry Department Graduate Committee. The mechanism of quality control is as follows:

Internal quality control will be exercised by NUS Department of Chemistry, following the same quality assurance procedures for other MSc students in the department.

**VI. Candidature and Duration**

The candidature for the two Master’s programmes in this Double Master Degree programme would be independent of each other.

The minimum and maximum periods of candidature for NUS M.Sc. degree was one and three years, respectively.

Leave of absence could be granted for up to one year only, and would be included in the computation of the maximum period of candidature.

**VII. Continuation and Graduation Requirements**

To ensure high standards of coursework a student must obtain satisfactory progress during his/her candidature. The conditions for continuation and termination of candidature at NUS are as follows:

1. A student will be issued warning for any semester in which his/her CAP falls below 3.00. If, in the following semester, the student's CAP again falls below 3.00 but above 2.50, he/she will be placed on probation.
2. For continuation in the Master's programme, a student's CAP should not fall below 2.5 or equivalent for two consecutive semesters, or 3.0 for three consecutive semesters.
3. Termination of candidature would result if a student fails to maintain the minimum CAP.

**VIII. Examination and Assessment**

For NUS MSc degree examinations, grading will abide by the prevailing rules and regulations of NUS.