**Master of Science Program in Applied Statistics**

**Name of Degree:** Master of Science Program in Applied Statistics

**Abbreviation:** M.Sc. (Applied Statistics)

**Admission Requirements**

Plan A Type A 2:

Hold a bachelor's degree in science or related fields with at least 12 credits in statistics and mathematics courses

Plan B:

Hold a bachelor's degree in science or related fields with at least 12 credits in statistics and mathematics courses

**Curriculum**

**Total Credits**

Plan A Type A 2 40 Credits

Plan B 40 Credits

**Curriculum Structure** **Plan A Type A 2** **Plan B**

Required Courses (\*) 22 22 Credits

Elective Courses (\*\*) 6 12 Credits

Thesis 12 - Credits

Independent Study - 6 Credits

Total 40 40 Credits

|  |  |  |  |
| --- | --- | --- | --- |
| **First Year, 1st Semester** | | **Number of Credit** | |
| **Course Number** | **Course Title** | **Plan A Type A 2** | **Plan B** |
| \*336 711 | Probability and Distribution Theories | 3 (3-0-6) | 3 (3-0-6) |
| \*336 721 | Statistical Analysis I | 3 (3-0-6) | 3 (3-0-6) |
| \*336 723 | Sample Survey Designs | 3 (3-0-6) | 3 (3-0-6) |
| \*\*336 727 | Statistical Forecasting Techniques | 3 (3-0-6) | 3 (3-0-6) |
| **Total** | | **12** | **12** |
| **cumulative credits** | | **12** | **12** |

|  |  |  |  |
| --- | --- | --- | --- |
| **First Year, 2nd Semester** | | **Number of Credit** | |
| **Course Number** | **Course Title** | **Plan A Type A 2** | **Plan B** |
| \*336 712 | Statistical Inference | 3 (3-0-6) | 3 (3-0-6) |
| \*336 722 | Statistical Analysis II | 3 (3-0-6) | 3 (3-0-6) |
| \*336 724 | Experimental Designs | 3 (3-0-6) | 3 (3-0-6) |
| \*\*336 772 | Statistical Computation and Simulation | 3 (2-2-6) | 3 (2-2-6) |
| **Total** | | **12** | **12** |
| **cumulative credits** | | **24** | **24** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Second Year, 1st Semester** | | **Number of Credit** | |
| **Course Number** | **Course Title** | **Plan A Type A 2** | **Plan B** |
| \*336 821 | Multivariate Analysis | 3 (3-0-6) | 3 (3-0-6) |
| \*336 891 | Seminar in Applied Statistics | 1 (1-0-2) | 1 (1-0-2) |
| \*316 899 | Thesis | 3 | - |
| \*\*336 771 | Operations Research | - | 3 (3-0-6) |
| **Total** | | **7** | **7** |
| **cumulative credits** | | **31** | **31** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Second Year, 2st Semester** | | **Number of Credit** | |
| **Course Number** | **Course Title** | **Plan A Type A 2** | **Plan B** |
| \*316 897 | Independent Study | - | 6 |
| \*316 899 | Thesis | 9 | - |
| \*\*336 741 | Data Management | - | 3 (2-2-6) |
| **Total** | | **9** | **9** |
| **cumulative credits** | | **40** | **40** |

**Applied Statistics M.Sc. Program Director**: [**Supunnee Ungpansattawong**](http://sc2.kku.ac.th/stat/statweb/index.php/supunnee), Ph.D. Associate Professor

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