

**The 107 Academic Year - Biomedical Science and Environmental Biology**

**Course List for Master Program**

**【First Year】**

( Suitable for the student entrance in August 2018 )

| Subject No.                               | Subject Name                                                   | (R/E)    | Credit   | Semester |          |
|-------------------------------------------|----------------------------------------------------------------|----------|----------|----------|----------|
|                                           |                                                                |          |          | Fall     | Spring   |
| MLSBQ                                     | Special Topics on Life Science                                 | R        | 4        | 4        |          |
| MPCF0                                     | The Principle of Core Techniques on Ethics in Life Sciences    | R        | 2        | 2        |          |
| MSNRQ                                     | Seminar (I)                                                    | R        | 2        | 1        | 1        |
| <b>Total Credits of Required Subjects</b> |                                                                | <b>R</b> | <b>8</b> |          |          |
| *MSIL2                                    | Special Topics on Immunology                                   | E        | 3        |          | 3        |
| *MBFT0                                    | Special Topics on Physiology of Bone and Cartilage             | E        | 4        | 2        | 2        |
| *MIBR1/2                                  | The Last Issues in Biomedical Research(I)(II)                  | E        | 4        | 2        | 2        |
| MSOC0                                     | Special Topics in Cancer Biology                               | E        | 2        | 2        |          |
| MTMV0                                     | Special Topics on Molecular Virology                           | E        | 3        |          | 3        |
| MHUK1                                     | Special Topics on Cell and Molecular Biology                   | E        | 4        | 4        |          |
| MSJE0                                     | Special Topics on the Journals of Environmental Biology ( I )  | E        | 2        | 2        |          |
| MCCG0                                     | Clinical Genomics                                              | E        | 2        | 2        |          |
| MSGAE                                     | SNP quantification and genotyping analysis experiment          | E        | 1        | 1        |          |
| MSEP2                                     | Special Topics on Environmental and Public Health Sciences     | E        | 2        | 2        |          |
| MGRT2                                     | Role-Model Learning Program                                    | E        | 1        | 1        |          |
| MEBB                                      | Special Topics on Evolutionary Biology                         | E        | 3        | 3        |          |
| MMEM1/2                                   | Ecological Methods                                             | E        | 6        | 3        | 3        |
| MSJE1                                     | Special Topics on the Journals of Environmental Biology ( II ) | E        | 2        |          | 2        |
| MSEM5                                     | Special Topics on Ecotoxicology Modeling                       | E        | 3        |          | 3        |
| MSTU0                                     | Special Topics on Plant Physiology                             | E        | 3        |          | 3        |
| MBTS0                                     | Special Topics on Bioinformatics                               | E        | 3        |          | 3        |
| MAEP0                                     | Advance English Presentations in Science                       | E        | 2        |          | 2        |
| MSNY0                                     | Special Topics on Neurobiology                                 | E        | 3        |          | 3        |
| MKAH0                                     | Special Topics on Genomics                                     | E        | 3        |          | 3        |
| MCRS0                                     | Cellular Signal Transduction                                   | E        | 3        |          | 3        |
| <b>New</b>                                | <b>Special Topic of Bio morphological Research Methodology</b> | E        | <b>2</b> |          | <b>2</b> |
| <b>Total Credits of Elective Subjects</b> |                                                                | <b>E</b> |          |          |          |

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|-------------------------------------------|--------------------------------------------|----------|----------|----------|--------|
|                                           |                                            |          |          | Fall     | Spring |
| MSNR1                                     | Seminar (II)                               | R        | 2        | 1        | 1      |
|                                           | Thesis                                     | R        | 6        |          |        |
| <b>Total Credits of Required Subjects</b> |                                            | <b>R</b> | <b>8</b> |          |        |
| MBDA                                      | Special Topics on Biological Data Analysis | E        | 3        | 3        |        |
| MBEE                                      | Special Topics on Behavioral Ecology       | E        | 3        | 3        |        |
| <b>Total Credits of Elective Subjects</b> |                                            | <b>E</b> |          |          |        |

Remarks:

- \* Minimum requirement for graduation: Completion of 30 semester-hours of course work with an average grade of 70. Of these 30 hours, 10 must be required nursing courses, 14 must be elective nursing courses and 6 must be Thesis.