PROGRAM STRUCTURE

LEVEL : Graduate
SCHOOL : School of Science
PROGRAM : 605110002 : Master of Science Program in Biological Science Plan A 2
PROGRAM YEAR : 2560

PHILOSOPHY

This programme aims at perfecting its graduates' academic and researching expertise in biological science, so that they can apply their knowledge to conducting further research or creating economically valuable innovations that earn both national and international recognition.

PURPOSE

1. Graduates will acquire knowledge and specialized research skills in bioscience.
2. Graduates will integrate the obtained knowledge and expertise in bioscience to create innovation in a way that impacts social, economic and environmental development.
3. Graduates will implement professional ethics in scientific practice and will have an attitude of responsibility to the community.

1 Required Course MINIMUM CREDIT : 12

Course Code	COURSE	CREDIT
1100701	Molecular Biology and Omics	3 (3-0-6)
1100702	Advanced Methonds in Biological Science	3 (2-3-5)
1100703	Research Methodology in Biological Science	3 (3-0-6)
1100704	Research Innovation and Professional Ethics	3 (3-0-6)
1100781	Seminar 1	0 (0-3-1)
1100782	Seminar 2	0 (0-3-1)

2 Elective Course MINIMUM CREDIT : 12

Course Code	COURSE	CREDIT
1100705	Advanced Plant Pathology	3 (3-0-6)
1100706	Area-Based Ecology and Biodiversity	3 (3-0-6)
1100707	Cereal Science	3 (3-0-6)
1100708	DNA Markers and Applications	3 (3-0-6)
1100709	Eukaryotic Microbiology	3 (3-0-6)

1100710	Economic Impact Insects	3 (3-0-6)
1100711	Fungal Diversity and Applications	3 (3-0-6)
1100712	Human-Gut Microbe Interactions	3 (3-0-6)
1100713	Integrated Pests Management	3 (3-0-6)
1100714	Genome-Editing Technology	3 (3-0-6)
1100715	Microbial Products and Innovations	3 (3-0-6)
1100716	Molecular Evolution and Phylogenetics	3 (3-0-6)
1100717	Mushroom Technology	3 (3-0-6)
1100718	Plant Root-Microbe Interactions	3 (3-0-6)
1100719	Research Trends in Biological Science	3 (3-0-6)
1100720	Microbial Evolution	3 (3-0-6)
1102511	Drug Discovery Based on Natural Products	3 (3-0-6)
1102513	Natural Products in Nutraceuticals Cosmeceuticals and Agrochemicals	3 (3-0-6)
1111730	Ecoinformatics	3 (2-3-5)

3 Thesis MINIMUM CREDIT : 12

Course Code	COURSE	CREDIT
1100793	Thesis	12 (0-36-12)

REMARKS

P : Prerequisite Course

E1 : One-way Equivalent

E2 : Two-way Equivalent

ราชวิชา 1006393 Principles of Translation 3(3-0-6) ในกรณีที่นักศึกษาไม่สามารถใช้ภาษาไทยได้ ให้เรียนราชวิชา 1006382 Directed Studies แทน

ราชวิชา 1006397 Comparative Study of English and Thai 3(3-0-6) ในกรณีที่นักศึกษาไม่สามารถใช้ภาษาไทยได้ ให้เรียนราชวิชา 1006381 Selected Reading แทน