



UNIVERSITY OF THE EAST
Graduate School
Manila

Master in Education (MEd) Biological Science		
Core		
GED 7101	Psychological Foundations of Education	3
GRR 7501	Statistical Methods Applied to Research	3
GRR 7502	Research Methods Across Disciplines	3
GED 7200	Multimedia in Education	3
		12
Major		
GBS 7102	Systematics (Plant and Animal)	3
GBS 7103	Chemical Physiology	3
GBS 7104	Advanced Cell and Molecular Biology	3
GBS 7105	Advanced Genetics	3
GBS 7106	Modern Techniques in Science Teaching	3
		15
Elective		
GBS 7301	Embryology	3
GBS 7302	Parasitology	3
GBS 7303	Development Biology (Plant and Animal)	3
GBS 7304	Microbiology	3
GBS 7101	Advanced Ecology	3
		6
GRR 7700	Comprehensive Examination	-
GRR 7903	Action Research	3
GRR 7904	Case Writing in Education	3
		6
Total		39

CORE

GED 7101 Psychological Foundations of Education

Deals with the application of psychology to education, the determinants of behavior, how students learn, the transfer and management of learning, emotional, physical, and social factors in learning, and teacher-student relationships. (3 units)

GRR 7501 Statistical Methods Applied to Research

Fundamentals of statistics as applied to master's degree research, including population, sample, parameter, statistics, and variable; the branches of statistics, sources of data, sampling concepts, sample selection methods; analysis and interpretation of data using statistics software (3 units)

GRR 7502 Research Methods across Disciplines

Methods and designs, concepts, processes, tools and interpretation of results of research in different disciplines (3 units)

GED 7200 Multimedia in Education

Is critical in the implementation of blended learning; It involves use of online learning and teaching tools to deliver teaching content with available and relevant educational technologies (3 units)

MAJOR

GBS 7102 Systematics (Plant and Animal)

Principles and methods in the classification, naming and identification of plants and animals (3 units)

GBS 7103 Chemical Physiology

A closer look into the major biochemical processes in the overall metabolic and physiological activities occurring in biological systems (3 units)

GBS 7104 Advanced Cell and Molecular Biology

Ultramicroscopic cellular components and their biological functions in the molecular level (3 units)

GBS 7105 Advanced Genetics

Principles and concepts underlying chromosome structure and function in living systems (3 units)

GBS 7106 Modern Techniques in Science Teaching

Traditional and modern methods of teaching the biological sciences; emphasizes actual participation and practice (3 units)

ELECTIVE

GBS 7301 Embryology

Current concepts in embryonic systems (3 units)

GBS 7302 Parasitology

A study of parasites infesting man and other vertebrates with emphasis on life cycles, epidemiological factors, and underlying principles of prevention (3 units)

GBS 7303 Development Biology (Plant and Animal)

A systematic classification, identification, and nomenclature of vascular plants as well as methods in experimental taxonomy (3 units)

GBS 7304 Microbiology

A detailed look into the taxonomy, physiology and ecology of microorganisms (3 units)

GBS 7101 Advanced Ecology

Principles and concepts underlying ecosystems' structure and function in natural environments with emphasis on tropical ecosystems. (3 units)

GRR 7700 Comprehensive Examination

After completion of all academic courses (0 units)

GRR 7903 Action Research

Research designed to diagnose education problems or weaknesses to help educators solve them practically, quickly and efficiently (3 units, Prerequisite: Completion of all course work)

GRR 7904 Case Writing in Education

Writing reports on analysis of cases in education (3 units, Prerequisite: GRR 7903)