

CEBU DOCTORS' UNIVERSITY

Mandaue City, Cebu Philippines



GRADUATE SCHOOL

GENERAL CATALOGUE

2015

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**DOCTOR OF PHILOSOPHY IN ORGANIZATION DEVELOPMENT
(PhDOD)**

PRE-REQUISITES FOR NON-OD/BUSINESS ADMINISTRATION GRADUATE STUDENTS - 9 units

OD 98 – Basic Business Administration	3
OD 99 – Basic Finance and Marketing Strategies	3
OD 100 – Principles of Management	3

I. FOUNDATION COURSES - - - - - 24 units

PhDOD 101 – Advanced Philosophy of Organization Development.....	6
PhDOD 102 – Action Research and Statistics	6
PhDOD 101A – Advanced Philosophy	6
PhDOD 102A – Advanced Methods of Research and Statistics	6

II. FIELD OF CONCENTRATION - - - - - 30 units

PhDOD 103 – Strategic and Systems Thinking Management	6
PhDOD 104 – Theories of Change, OD Technologies and Strategies	6
PhDOD 105 – The Design Process, Transition and Transformation	6
PhDOD 106 – Corporate Institutional Planning and Project Management	6
PhDOD 107 – OD Ethics, Consultancy and Networks Management	6

III. COGNATE COURSES - - - - - 6 units

PhDOD 108 – Entrepreneurship and Creativity	3
PhDOD 109 – Organizational Culture and Climate Development and Transformation	3
PhDOD 110 – Leadership and Human Behavior in Organization	3
PhDOD 111 – Human Resources Management	3

IV. DOCTORAL DISSERTATION - - - - - 12 units

SUMMARY:

Foundation Courses	24
Field of Concentration	30
Cognate Courses	6
Doctoral Dissertation	12

T O T A L - - 72 units

COURSE REQUIREMENTS:

- Comprehensive Examination
- Doctoral Dissertation

**COURSE DESCRIPTION: DOCTOR OF PHILOSOPHY IN ORGANIZATION
DEVELOPMENT**

PRE-REQUISITES FOR NON-OD/BUSINESS ADMINISTRATION GRADUATE STUDENTS:

OD 98 – Basic Business Administration

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course prepares the student-learners to understand the basics of business rearrangement and administration and its major functional areas, namely: Human Resource Management, Production and Operations, Financial Management and Marketing Management. Any graduate of Organizational Development should be able to read Marketing and Sales reports, Basic Financial Statements like balance sheets, income statements, break-even analysis computations and calculations and other quantitative formulas.

OD 99 – Basic Finance and Marketing Strategies

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course is a basic pre-requisites course in preparation for the degree of Master of Arts in Organization Development (MAOD), this course equips the student-learners with the understanding of the fundamental concepts of basic finance and marketing management strategies currently used by exciting business institutions.

OD 100- Principles of Management

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course is a discussion of theories, concepts and processes in organization and management.

FOUNDATION COURSES

PhDOD 101 – Advanced Philosophy of Organization Development

Credit : 6 Units

No. of Hours : Lecture – 9 hours/month x 4 months = 36 hours

Individual Research Requirement – 6 hours/week x 12weeks = 72 hours

Total No. of Hours: 108 hours

This course focus on the Advanced Philosophy of Organization Development which include the OD value system, definition of OD, interdisciplines and trends affecting organizations particularly systems approach and systems. The graduate students will learn the basic principles of the cycle of change and its relevance to the OD discipline.

PhDOD 101A – Advanced Philosophy

Credit : 6 Units

No. of Hours : Lecture – 9 hours/month x 4 months = 36 hours

Individual Research Requirement – 6 hours/week x 12weeks = 72 hours

Total No. of Hours: 108 hours

The course is an indepth study of philosophy that covers nature of philosophy, the sub-fields of philosophy, philosophy, Christianity and theology and history of philosophy (the four eras of philosophy namely ancient, medieval, modern and contemporary philosophy and the respective philosophers of those eras and their respective doctrines.

PhDOD 102 – Action Research and Statistics

Credit : 6 Units

No. of Hours : Lecture – 9 hours/month x 4 months = 36 hours

Individual Research Requirement – 6 hours/week x 12weeks = 72 hours

Total No. of Hours: 108 hours

The course provides the graduate students knowledge and skills in designing and implementing the research process which involves assessment of needs, research, designing planned change and evaluating the impact of the interventions implemented.

PhDOD 102A – Advanced Methods of Research and Statistics

Credit : 6 Units

No. of Hours : Lecture – 9 hours/month x 4 months = 36 hours

Individual Research Requirement – 6 hours/week x 12weeks = 72 hours

Total No. of Hours: 108 hours

The course exposes doctoral students to research methodologies, tools and statistical treatment. It is designed to help doctoral students on how to think and do methods in research. It broadens their knowledge in developing scholarly activities such as replication of papers, computational tools and critiquing. The course will guide the students conduct a thorough review of the management of research in their specialized field undergoing the research process.

FIELD OF CONCENTRATION

PhDOD 103 – Strategic and Systems Thinking Management

Credit : 6 Units

No. of Hours : Lecture – 9 hours/month x 4 months = 36 hours

Individual Research Requirement – 6 hours/week x 12weeks = 72 hours

Total No. of Hours: 108 hours

The course focus on the understanding of the organizational factors: purpose, process, technology, structure and people. The concepts present a holistic view of an organization – a systems concept of patterned relationship among the components that “hang together” over time and operate toward a common purpose. Systems thinking concepts enhance effective strategic and collaborative management for the efficient function of an organization.

PhDOD 104 – Theories of Change, OD Technologies and Strategies

Credit : 6 Units

No. of Hours : Lecture – 9 hours/month x 4 months = 36 hours

Individual Research Requirement – 6 hours/week x 12weeks = 72 hours

Total No. of Hours: 108 hours

The course focus on the reality of change in individuals, groups, organizations and societies more particularly on the Cluster of Procedures on OD process and technology which in turn draws its theories form various disciplines such as the behavioral sciences, philosophy and logic and systems approach as well as other concepts from the point of view of change as a process, the socio-technical approach in planned change, and human development.

PhDOD 105 – The Design Process, Transition and Transformation

Credit : 6 Units

No. of Hours : Lecture – 9 hours/month x 4 months = 36 hours

Individual Research Requirement – 6 hours/week x 12weeks = 72 hours

Total No. of Hours: 108 hours

The Design Process. With planned change in mind the course key concepts will focus on the change process – the design process. The change person plays a vital role in conceptualizing, facilitating and managing the design process.

The Transition. Focus will be on the stage between one state to the other of the change process. Emphasis will be how to let go of the past, concentrate on the present and welcome the new change. The trauma of transition must be treated carefully.

Transformation. This is otherwise known as the second order change where changes include changes in the five (5) organization factors such as purpose, process, technology, structure and people.

PhDOD 106 – Corporate Institutional Planning and Project Management

Credit : 6 Units

No. of Hours : Lecture – 9 hours/month x 4 months = 36 hours

Individual Research Requirement – 6 hours/week x 12weeks = 72 hours

Total No. of Hours: 108 hours

This is a discourse on the various models and process of corporate institutional planning for top and middle management for long term and medium term plans; includes forecasting, investment opportunities and effective management of programs and project implementation.

PhDOD 107 – OD Ethics, Consultancy and Networks Management

Credit : 6 Units

No. of Hours : Lecture – 9 hours/month x 4 months = 36 hours

Individual Research Requirement – 6 hours/week x 12weeks = 72 hours

Total No. of Hours: 108 hours

This is a discourse on the ethical values of OD and issues that affect, influence, confront management for various purposes and the processes to utilize to arrive at an understanding, appreciation and advocacy for management with social and ecological responsibility and accountability.

COGNATE COURSES

PhDOD 108 – Entrepreneurship and Creativity

Credit : 3 Units

No. of Hours : Lecture – 5 hours/month x 4 months = 20 hours

Individual Research Requirement – 3 hours/week x 12 weeks = 36 hours

Total No. of Hours: 56 hours

This is a discourse on entrepreneurship as an entry into the business enterprise and entrepreneurship management – the processes and strategies to maintain the spirit of entrepreneurship, techniques of creative and intuitive thinking, and the management implications for continuous novelty, ingenuity and viability of organizations.

PhDOD 109 – Organizational Culture and Climate Development and Transformation

Credit : 3 Units

No. of Hours : Lecture – 5 hours/month x 4 months = 20 hours

Individual Research Requirement – 3 hours/week x 12 weeks = 36 hours

Total No. of Hours: 56 hours

This is a discourse on the process of culture and climate building in a people-centered organization and the implications to management by values and relations.

PhDOD 110 – Leadership and Human Behavior in Organization

Credit : 3 Units

No. of Hours : Lecture – 5 hours/month x 4 months = 20 hours

Individual Research Requirement – 3 hours/week x 12 weeks = 36 hours

Total No. of Hours: 56 hours

This course deals with theories, concepts and issues about how human resources in organization act and react as individuals and as a group. Presented and experienced by learners/students, these knowledge and skills would be of value to these managers in the actual management of their human resources. It will also expose the students to various diagnostic schemes, which are essential to understanding why certain events and behavioral processes occur within an organization.

PhDOD 111 – Human Resources Management

Credit : 3 Units

No. of Hours : Lecture – 5 hours/month x 4 months = 20 hours

Individual Research Requirement – 3 hours/week x 12 weeks = 36 hours

Total No. of Hours: 56 hours

This course deals with the holistic view of the human resource process based on the Human Resource Concept, which separates Human Resource Utilization, Human Resource Planning and Forecasting from Human Resource Development.

**DOCTOR OF PHILOSOPHY ORGANIZATION DEVELOPMENT,
SCHOOL ADMINISTRATION (PhDODSA)**

PRE-REQUISITES FOR NON-EDUCATION GRADUATE STUDENTS - - - - - 12 units

Educ 103 – Instructional Design and the Teaching Process (Principles of Teaching)	3
Educ 104 – Advanced Educational Psychology	3
Educ 105 – Theories of Learning and Learning Styles (Methods of Teaching)	3
Educ 107 – Authentic Evaluation of Instruction (Test and Measurement)	3

I. FOUNDATION COURSES - - - - - 24 units

PhDODSA 101a – Advanced Philosophy of Education	6
PhDODSA 101b – Advanced Philosophy of Organization Development ...	6
PhDODSA 102 – Action Research and Evaluation Procedures	6
PhDODSA 102A – Advanced Methods of Research and Statistics.....	6

II. FIELD OF CONCENTRATION - - - - - 30 units

PhDODSA 103 – Advanced Administration and Supervision of Educational Institutions	6
PhDODSA 104 – Social Psychology and Innovations in School Administration	6
PhDODSA 105 – Organization Development of Educational Institutions ...	6
PhDODSA 106 – Communication and Human Relations in School Administration	6
PhDODSA 107 – Environmental Scanning, Visioning and Educational Planning	6

III. COGNATE COURSES - - - - - 6 units

PhDODSA 108 – Legal Basis, Problems and Issues of Philippine Education	3
PhDODSA 109 – Human Resources Management	3
PhDODSA 110 – Financial Management of Educational Institutions	3

IV. DOCTORAL DISSERTATION - - - - - 12 units

SUMMARY:

Foundation Courses	24
Field of Concentration	30
Cognates	6
Doctoral Dissertation	12

COURSE REQUIREMENTS:

Comprehensive Examination
Doctoral Dissertation

T O T A L - - 72 units

**COURSE DESCRIPTION: DOCTOR OF PHILOSOPHY IN ORGANIZATION
DEVELOPMENT, SCHOOL ADMINISTRATION**

PRE-REQUISITES FOR NON-EDUCATION GRADUATE STUDENTS:

**Educ 103 – Instructional Design and the Teaching Process
(Principles of Teaching)**

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course is about the development of a design of a unit of instruction within the participants' area of teaching with a particular consideration of the different available methods of instruction and their appropriateness for specific instructional situations in the health fields.

Educ 104 – Advanced Educational Psychology

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course deals with the principles, facts and techniques which constitute a sound basic teaching procedure. The primary concern of this course is the application of scientific knowledge concerning human personality to the process of teaching, that is, motivation, direction, control and evaluation of learning.

Educ 105 – Theories of Learning and Learning Styles (Methods of Teaching)

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course focuses on the learning style that influences various elements on a students' learning and the variety of conditions, modalities and environments preferred by the students. This concept is based on the theory that learning style is the way an individual responds to a complement of variables in a learning situation.

Educ 107 – Authentic Evaluation of Instruction (Test and Measurement)

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The course provides the graduate students with the essential knowledge and skills in the development and use of evaluation of classroom instruction and seeks to develop in them recognition and appreciation of the important of sound evaluation of instruction.

FOUNDATION COURSES

PhDODSA 101a – Advanced Philosophy of Education

Credit : 6 Units

No. of Hours : Lecture – 9 hours/month x 4 months = 36 hours

Individual Research Requirement – 6 hours/week x 12weeks = 72 hours

Total No. of Hours: 108 hours

The course consists in the research of theories and views of educational philosophies as well as the educational forces affecting education through generations. It traces the root of the philosophy of Philippine education.

PhDODSA 101b – Advanced Philosophy of Organization Development

Credit : 6 Units

No. of Hours : Lecture – 9 hours/month x 4 months = 36 hours

Individual Research Requirement – 6 hours/week x 12weeks = 72 hours

Total No. of Hours: 108 hours

The course expects the graduate student to learn the basic principles of the cycle of change and its relevance to the OD discipline. Students will discover the compelling framework to understand how the forces of change really work thus creating a powerful new road map to the future.

PhDODSA 102 – Action Research and Evaluation Procedures

Credit : 6 Units

No. of Hours : Lecture – 9 hours/month x 4 months = 36 hours

Individual Research Requirement – 6 hours/week x 12weeks = 72 hours

Total No. of Hours: 108 hours

The course introduces teachers and administrators to the scientific procedures and methods of tackling tough questions in classroom and school setting. It requires them to present a proposed action research design. It also provides the graduate students with more systematic knowledge and skills in the development and use of evaluation procedures for projects and programs in education. It also enhances their critical thinking skills through synthesis and reflection writing.

PhDODSA 102A – Advanced Methods of Research and Statistics

Credit : 6 Units

No. of Hours : Lecture – 9 hours/month x 4 months = 36 hours

Individual Research Requirement – 6 hours/week x 12weeks = 72 hours

Total No. of Hours: 108 hours

The course exposes doctoral students to research methodologies, tools and statistical treatment. It is designed to help doctoral students on how to think and do methods in research. It broadens their knowledge in developing scholarly activities such as replication of papers, computational tools and critiquing. The course will guide the students conduct a thorough review of the management of research in their specialized field undergoing the research process.

FIELD OF CONCENTRATION

PhDODSA 103 – Advanced Administration and Supervision of Educational Institutions

Credit : 6 Units

No. of Hours : Lecture – 9 hours/month x 4 months = 36 hours
Individual Research Requirement – 6 hours/week x 12weeks = 72 hours
Total No. of Hours: 108 hours

The course provides the graduate students with training in the knowledge and skills of school administration to enable them to understand and subsequently tackle the complex tasks and responsibilities of school managers.

The course also presents the dynamics and mechanics of school supervision in the three levels of education: elementary, secondary and tertiary.

PhDODSA 104 – Social Psychology and Innovations in School Administration

Credit : 6 Units
No. of Hours : Lecture – 9 hours/month x 4 months = 36 hours
Individual Research Requirement – 6 hours/week x 12weeks = 72 hours
Total No. of Hours: 108 hours

The course exposes teachers, administrators and guidance counselors to systematic procedures to assess learners with problems of social interactions and to realize that problems of social interaction can result in poor interaction in school setting can affect motivation, self-system and self-image which diminish academic achievement.

In the aspect of innovations, course focuses on the findings of researchers in neuroscience, learning styles, shifts of power towards information and knowledge, new methodologies, learning aids and tools which enable the young to attain the full realization of his potentials.

PhDODSA 105 – Organization Development of Educational Institutions

Credit : 6 Units
No. of Hours : Lecture – 9 hours/month x 4 months = 36 hours
Individual Research Requirement – 6 hours/week x 12weeks = 72 hours
Total No. of Hours: 108 hours

This course on Organization Development (OD) focuses on the human and social aspects of an organization. It views organizational behavior as essentially composed of coordinated and goal-directed activities of the people in the system. It places on the human aspects of an organization concerned as a social system. It seeks to achieve goodness of fit between the organization and its environment.

PhDODSA 106 – Communication and Human Relations in School Administration

Credit : 6 Units
No. of Hours : Lecture – 9 hours/month x 4 months = 36 hours
Individual Research Requirement – 6 hours/week x 12weeks = 72 hours
Total No. of Hours: 108 hours

The course introduces the graduate students to the concepts of system that apply to educational organizations; that the school is composed of subsystems which interact with one another, and which is a system interact with its environment, and that the communication system of such school is the prime mechanism that qualifies the nature of the interaction.

PhDODSA 107 – Environmental Scanning, Visioning and Educational Planning

Credit : 6 Units

No. of Hours : Lecture – 9 hours/month x 4 months = 36 hours

Individual Research Requirement – 6 hours/week x 12 weeks = 72 hours

Total No. of Hours: 108 hours

The course involves scanning of environmental opportunities and threats to Philippine Schools and the subsequent formulation of Vision, Mission and Goals.

The imperatives for educational planning in contemporary setting are perpetual change and scarcity of resources for the education of the nation.

The course provides the concepts, theories, approaches and models; the concepts include ideas for educational planning, the need for planning and the planning process.

COGNATE COURSES

PhDODSA 108 – Legal Basis, Problems and Issues of the Philippine Education

Credit : 3 Units

No. of Hours : Lecture – 5 hours/month x 4 months = 20 hours

Individual Research Requirement – 3 hours/week x 12 weeks = 36 hours

Total No. of Hours: 56 hours

The course requires the graduate students to come up with a chronological enumeration of the legal foundations of Philippine Education and a description of the important provisions of the same.

PhDODSA 109 – Human Resources Management

Credit : 3 Units

No. of Hours : Lecture – 5 hours/month x 4 months = 20 hours

Individual Research Requirement – 3 hours/week x 12 weeks = 36 hours

Total No. of Hours: 56 hours

The course is designed to develop an in-depth and advanced understanding of the nature of people at work and of the human dynamics of school management. It covers the management function of school administration and the effective strategies in the management of people.

PhDODSA 110 – Financial Management of Educational Institutions

Credit : 3 Units

No. of Hours : Lecture – 5 hours/month x 4 months = 20 hours

Individual Research Requirement – 3 hours/week x 12 weeks = 36 hours

Total No. of Hours: 56 hours

The course brings to the awareness of graduate students that the school is a form of a business enterprise and a service organization; that financial management know-how is a must for school administrators.

DOCTOR OF PHILOSOPHY IN NURSING SCIENCE (PhDNSc)
PROGRAM A OR PROGRAM B

I . FOUNDATION SUBJECTS ----- **15 units**

Educ 100	Advanced Methods of Research.....	3
Educ 101	Advanced Statistics.....	6
PhDNSc 100	Philosophy of Science and Art of Caring.....	3
PhDNSc 101	Paradigm Shift in Health Care Systems.....	3

II.MAJOR SUBJECTS ----- **24 units**

PhDNSc 102A	Theory Development in Nursing.....	3
PhDNSc 102B	Theory Adaptation in Practice.....	3
PhDNSc 103	Administration of Clinical Nursing Services.....	3
PhDNSc 104	Transcultural Nursing.....	3

Program A - Seminar with Clinical Practice (credit:12 units, choose one).....12

PhDNSc 105a	Medical-Surgical Nursing.....	12
PhDNSc 106a	Maternal-Child Nursing.....	12
PhDNSc 107a	Family Health Nursing.....	12
PhDNSc 108a	Mental Health and Psychiatric Nursing.....	12
PhDNSc 109a	Geriatric Nursing.....	12

Or

Program B – Clinical Nursing (credit:12 units, take all four @ 3 units each)..12

PhDNSc 105b	Medical-Surgical Nursing.....	3
PhDNSc 106b	Maternal-Child Nursing.....	2
PhDNSc 107b	Family Health Nursing.....	2
PhDNSc 108b	Mental Health and Psychiatric Nursing.....	3
PhDNSc 109b	Geriatric Nursing.....	2

III.COGNATES ----- **9 units**

PhDNSc 110	Ethics in Collaborative Health Care Practice.....	3
PhDNSc 111	Advanced Nursing Informatics.....	3
PhDNSc 112	Foreign Language.....	3

IV.DOCTORAL DISSERTATION ----- **12 units**

SUMMARY:

Foundation Subjects.....	15
Major Subjects.....	24
Cognates.....	9
Doctoral Dissertation.....	12

T O T A L - - 60 units

COURSE REQUIREMENTS:

- Comprehensive Examination
- Doctoral Dissertation

**COURSE DESCRIPTION: DOCTOR OF PHILOSOPHY IN NURSING SCIENCE,
PROGRAM A OR PROGRAM B**

FOUNDATION SUBJECTS

Educ 100 – Advanced Methods of Research (credit:3 units; lecture:54 hours(3 hours/week x 18 weeks)

This course is to expose graduate students to the research process in nursing through the discussion of the steps and examination of completed research reports. A requirement for submission is a research design on an approved topic

Educ 101 – Advanced Biostatistics (credit:6 units; lecture:54 hours)

This course is about statistics that deals with the collection, organization, presentation, analysis and interpretation of biological information that can be stated numerically. This course uses SPSS, the latest software in statistical methods to summarize the data and statistical procedures to reach certain conclusions that can be applied to the field of nursing. Practical emphasis is given to study design and the interpretation of results in the field of nursing

PhDNsc 100 – Philosophy of Science and Art of Caring (credit:3 units; lecture:54 hours)

This course aims to bring the graduate nursing student to the arena where wisdom and principles are intertwined in the discipline and art of caring. It provides the graduate nursing student the opportunity to gain insight as a scientist to explore and understand the underlying philosophy of science and art in health care in general and in nursing in particular. Its aim is to make the graduate nursing student aware that science and art's transcendental purpose is to serve the health care needs of mankind.

PhDNsc 101 – Paradigm Shift in Health Care Systems (credit:3 units; lecture 54 hours)

This course is to provide the graduate nursing student a worldview perspective regarding the commonality of issues and concerns regarding health care around the globe. In doing so, it is to encourage the graduate nursing student to have a paradigm shift in healthcare outlook, which deals not only with local but also global healthcare issues and concerns and their solutions

MAJOR SUBJECTS

PhDNsc 102A – Theory Development in Nursing (credit:3 units; lecture:54 hours)

This course guides the graduate student to an in-depth study of one's being a nurse, to describe and explain the what's, why's and how's of professional nursing practice. The theory developed will be utilized as the framework of a study or dissertation.

PhDNSc 102B – Theory Adaptation in Practice (credit:3 units; lecture:54 hours)

This course requires the graduate student to develop a theory in professional nursing practice. The theory developed will be utilized as the framework of a study or for the graduate student's dissertation.

PhDNSc 103 - Administration of Clinical Nursing Services (credit: 6 units; lecture: 54 hours)

This course consists of lectures, time and motion studies among others, for graduate nursing students to have a total grasp on how management and leadership are used in the administration of different units in the nursing service department of hospitals. The findings of study to be used in the planning of one's own Decalogue as future manager.

PhDNSc 104 – Transcultural Nursing (credit:6 units; lecture:54 hours)

This course exposes the graduate nursing student in different parts of the world through electronic sources, software and personal contacts to gain insights on how best to react to illness, hospitalization and home care. The aim is to gain more knowledge about others, to improve one's openness to differences in people, adaptability for a harmonious and nurse-patient relationship.

Program A - Seminar with Clinical Practice (credit:12 units, choose one)

PhDNSc 105a – Medical-Surgical Nursing with Clinical Practice (credit:12 units; lecture: 54 hours; clinical practice: 108 hours)

This course involves didactic lectures, critique of nursing care plans and case studies based on actual patients cared for. Its focus of concern are on pathophysiology, new information on nursing care and management on specialized areas: oncology, renal, cardiovascular, neurological, musculoskeletal, gastrointestinal, rehabilitative and geriatrics nursing. Clinical duty and clinic exposures are experiences needed for decision making, management and leadership and proficiency development in caring.

PhDNSc 106a – Maternal-Child Nursing with Clinical Practice (credit:12 units; lecture: 54 hours; clinical practice: 108 hours)

This course is concerned with the complaints, problems and unusualities experienced by women during pre-natal-post-natal periods and newborns, new information on the management and care, critique on nursing care plans and case studies based on patients cared for in hospitals, clinics, centers and homes. This course focuses on the application of decision making, management and leadership and proficiency development in caring.

PhDNSc 107a – Family Health Nursing with Clinical Practice (credit:12 units; lecture: 54 hours; clinical practice: 108 hours)

This course focuses on the concept of the health-illness continuum, hemodynamics and the various patient care system utilized by the nurse with the nursing process as the main tool in the care of man throughout the stages of growth and development.

PhDNSc 108a – Mental Health and Psychiatric Nursing with Clinical Practice
(credit:12 units; lecture:54 hours; clinical practice: 108 hours)

This course focuses on the psychopathology, new trends in nursing, medical and pharmacological and other approaches, critique on nursing care plans and case studies based on actual patient cared for in hospitals or institutions, observation of classes involving children with varied psychosocial problems, rehabilitation and home care. This course also focuses on the application of decision making, management and leadership and proficiency development in caring

PhDNSc 109a – Geriatric Nursing with Clinical Practice (credit:12 units; lecture: 54 hours; clinical practice: 108 hours)

This course revolves around the chronic care of the elderly at home, in hospitals or institutions. It is concerned with the diseases, problems and unusualities experience by the elderly; the nursing, medical and other approaches in answer to their problematic situations; critique of nursing care plans and case studies and evidence-based practices on the care of the elderly. Its focus is on decision making , management and leadership and proficiency development in the care of the elderly to help them adapt to graceful being, comfortable with themselves, others and with God.

Program B – Clinical Nursing (credit:12 units, take all)

PhDNSc 105b – Medical-Surgical Nursing (credit:3 units, lecture:11 hours; clinical nursing:21 hours)

This course involves didactic lectures, critique of nursing care plans and case studies based on actual patients cared for. Its focus of concern are on pathophysiology, new information on nursing care and management on specialized areas: oncology, renal, cardiovascular, neurological, musculoskeletal, gastrointestinal, rehabilitative and geriatrics nursing. Clinical duty and clinic exposures are experiences needed for decision making, management and leadership and proficiency development in caring.

PhDNSc 106b – Maternal-Child Nursing (credit:2 units; lecture:11 hours; clinical nursing:22 hours)

This course is concerned with the complaints, problems and unusualities experienced by women during pre-natal-post-natal periods and newborns, new information on the management and care, critique on nursing care plans and case studies based on patients cared for in hospitals, clinics, centers and homes. This course focuses on the application of decision making, management and leadership and proficiency development in caring.

PhDNSc 107b – Family Health Nursing (credit:2 units; lecture:10 hours; clinical nursing:22 hours)

This course deals with the concept of family life, the basic unit of society and the role of families in building a lasting institution that contributes to the stability of community and society. It integrates nursing clinical concepts for a deeper understanding of family health care.

PhDNSc 108b – Mental Health and Psychiatric Nursing (credit:3 units; lecture:11 hours; clinical nursing:21 hours)

This course focuses on the psychopathology, new trends in nursing, medical and pharmacological and other approaches, critique on nursing care plans and case studies based on actual patient cared for in hospitals or institutions, observation of classes involving children with varied psychosocial problems, rehabilitation and home care. This course also focuses on the application of decision making, management and leadership and proficiency development in caring

PhDNSc 109b – Geriatric Nursing (credit:2 units; lecture:11 hours; clinical nursing:22 hours)

This course revolves around the chronic care of the elderly at home, in hospitals or institutions. It is concerned with the diseases, problems and unusualities experience by the elderly; the nursing, medical and other approaches in answer to their problematic situations; critique of nursing care plans and case studies and evidence-based practices on the care of the elderly. Its focus is on decision making , management and leadership and proficiency development in the care of the elderly to help them adapt to graceful being, comfortable with themselves, others and with God.

COGNATES

PhDNSc 110 – Ethics in Collaborative Health Practice (credit:3 units; lecture:54 hours)

This course opens the door for graduate students to have their own practice to meet the needs of the common man, while recognizing the need to collaborate with other health professionals for further specific management. This course emphasizes the ethics of dealing with the common man – the compassion and respect – one made unto the image of the Supreme Being; the symbolic relationship between and among professionals bound by their respective Codes of Ethics.

PhDNSc 111 – Advanced Informatics (credit:3 units; lecture: 54 hours)

This course is designed to provide graduate students advanced knowledge in computer as well as hands-on training in the fundamental skills in computer operations and applications especially the use of the internet for nursing research

PhDNSc 112 – Foreign Language (credit: 3 units; lecture: 54 hours)

This course aims to help graduate nursing students to learn another language which can promote better understanding between nurses, patients and others from another country and culture.

MASTER OF SCIENCE IN NURSING

**Major in: Medical–Surgical Nursing (MS)
Maternal-Child Nursing (MCN)
Psychiatric Nursing (PSN)
Geriatric Nursing (GRN)
Nursing Administration (NAd)**

I. FOUNDATION SUBJECTS ----- 9 units

Educ 100 – Methods of Research	3
Educ 101 – Statistics	3
MSN 100 – Philosophy and Science of Nursing.....	3

II. FIELD OF CONCENTRATION ----- 24 units

MSN 101 – Theories in Nursing	3
MSN 102 – Nursing Assessment	3
MSN 103 – Nursing Management and Leadership	3
MSN 104 – Clinical Nursing: An Overview	3

Any of the following field of concentration:

M-S 001 – Medical–Surgical Nursing–I with Field Practice	6
M-S 002 – Medical–Surgical Nursing–II with Field Practice	6

Or

MCN 001 – Maternal-Child Nursing I with Field Practice	6
MCN 002 – Maternal-Child Nursing II with Field Practice	6

Or

FHN 001 – Family Health Nursing I with Field Practice	6
FHN 002 – Family Health Nursing II with Field Practice	6

Or

PSN 001 – Psychiatric Nursing I with Field Practice	6
PSN 002 – Psychiatric Nursing II with Field Practice	6

Or

GRN 001 - Geriatric Nursing I with Field Practice.....	6
GRN 002 - Geriatric Nursing II with Field Practice.....	6

III. COGNATES ----- 6 units

MSN 110 – Seminar: Cultural Responses to Illness, Hospitalization and Home Care	3
MSN 111 – Advanced Nursing Informatics	3
MSN 112 – Seminar: Contemporary Issues and Concerns.....	3
MSN 113 – Home Health Care	3

IV. MASTER’S THESIS ----- 6 units

SUMMARY:

Foundation Subjects	9
Field of Concentration.....	24
Cognates	6
Master’s Thesis	6

COURSE REQUIREMENTS:

Comprehensive Examination
Master’s Thesis

T O T A L - - 45 units

**COURSE DESCRIPTION: MASTER OF SCIENCE IN NURSING (MSN) MAJORS
in MS, MCN, FHN, PSN, and GRN**

FOUNDATION SUBJECTS

Educ 100 – Methods of Research (credit: 3 units, lecture 54 hours)

The course exposes the graduate students pursuing their master course to the research process in education through the discussion through the discussion of the steps and examination of completed research reports. A requirement for submission is a research design on a approved topic.

Educ 101 – Statistics (credit: 3 units, lecture 54 hours)

The course immerses the graduate students in the research processes and the statistical measures and interpretation of research data. The expected output is a research design for a master's thesis.

MSN 100 – Philosophy and Science of Nursing (credit: 3 units; lecture: 54 hours)

The course deals with philosophy of nursing as well as the contemporary issues confronting the individual professional nurse and his professional organization, legislation, education, and international and national recent developments in nursing, including social responsibility and accountability, and biomedical ethical concerns

FIELD OF CONCENTRATION (credit: 24 units)

MSN 101 – Theories in Nursing (credit: 3 units; lecture: 54 hours)

This course deals with the comparative study of the different nursing theories. Discussion on various theories in nursing as applied to patient care is emphasized so as to guide the nursing professional in the nursing practice.

MSN 102 – Nursing Assessment (credit: 3 units; lecture: 54 hours)

This course deals with the sharpening of skills of the nurse practitioner in its assessment of nursing cases utilizing different courses and methodologies. It includes the interpretation of laboratory findings, health screening and selecting strategies for primary, secondary and tertiary levels of nursing care.

MSN 103 – Nursing Management and Leadership (credit: 3 units; lecture: 54 hours)

This course deals with management and leadership theories, concepts, principles, strategies and techniques that the nurse manager can use in daily practice in planning, organizing, directing and controlling the three major areas of nursing responsibility in order to meet the demands of constantly changing patient care services. It utilizes both theoretical and practical approaches in enhancing the development of management competencies among graduate nursing students.

MSN 104 – Clinical Nursing: An Overview (credit: 3 units; lecture: 54 hours)

This course is an overview of the clinical aspects of the nursing profession that deals with the respective areas of nursing specialization in: a) medical-surgical nursing; b) maternal-child nursing; c) mental health and psychiatric nursing and d) geriatrics nursing.

ANY OF THE FIELD OF SPECIALIZATION (credit:12 units; choose one)

M-S 001 – Medical-Surgical I with Field Practice credit: 6 units; lecture:54 hours; field practice:108 hours)

This course relates major signs, symptoms and explain major pathophysiological alterations to general health problems treated medically and surgically.

M-S 002 – Medical-Surgical Nursing II with Field Practice (credit: 6 units; lecture: 54 hours; field practice: 108 hours)

This course deals with the various clinical concepts and patient care systems throughout the life cycle of the nursing process utilized mainly by the nurse in the care of man in health and in disease.

MCN 001 – Maternal-Child Nursing I with Filed Practice (credit: 6 units; lecture: 54 hours; field practice: 108 hours)

This course deals with the core concepts of the nursing process and the care of child-bearing family. It integrates the basic clinical concepts of nursing with the dynamics of human reproduction, the physical, psychosocial, spiritual adaptation during the pre-natal, intra-partal and post-natal period including its deviation from health.

MCN 002 – Maternal-Child Nursing II with Field Practice (credit: 6 units; lecture: 54 hours; field practice: 108 hours)

This course deals with the concepts of life: the nature of its fabric, genesis and influences. It integrates basic clinical concepts of nursing for a deeper understanding of pregnancy and the birth process. It uses the nursing process as a framework of maternal and child care phase of the spiral of life.

FHN 001 – Family Health Nursing I with Field Practice (credit:6 units; lecture:54 hours; field practice: 108 hours)

This course focuses on the concept of the health-illness continuum, hemodynamics and the various patient care system utilized by the nurse with the nursing process as the main tool in the care of man throughout the stages of growth and development.

FHN 002 – Family Health Nursing II with Field Practice (credit:6 units; lecture:54 hours; field practice: 108 hours)

This course deals with the concept of family life, the basic unit of society and the role of families in building a lasting institution that contributes to the stability of community and society. It integrates nursing clinical concepts for a deeper understanding of family health care.

PN 001 – Psychiatric Nursing I with Field Practice (credit: 6 units; lecture: 54 hours; field practice: 108 hours)

This course focuses on the study of the concepts of mental health and mental illness. It includes key psychotherapy and trends in psychiatric mental health nursing.

PN 002 – Psychiatric Nursing II with Field Practice (credit: 6 units; lecture: 54 hours; field practice: 108 hours)

This course includes the following key concepts: treatment modalities used in the management of mental health for psychiatric clients, roles and function of the nurses in the various level of prevention and community mental health nursing.

GN 001 – Geriatrics Nursing I with Field Practice (credit:6 units; lecture: 54 hours; field practice: 108 hours).

This course focuses on the study of the concepts of geriatrics nursing and the aging process and the different level of needs of aged persons.

GN 002 – Geriatrics Nursing II with Field Practice (credit: 6 units; lecture: 54 hours; field practice: 108 hours)

This course deals with key concepts on: the different modalities in geriatrics nursing; a deeper understanding of the aging process and the different levels of

needs of aged persons and the social skills in interacting and dealing with aged persons.

COGNATES (any 2 of the following)

MSN 110 – Seminar: Cultural Responses to Illness, Hospitalization and Home Care (credit: 3 units)

This course deals with the different cultural responses to different illnesses including the different ways of dealing with illnesses either through hospitalization or home care.

MSN 111 – Advanced Nursing Informatics (credit: 3 units; lecture: 54 hours)

This course is designed to provide graduate nursing students adequate knowledge in computer education as well as hands-on training in the fundamental skills in computer application and operations.

MSN 112 – Seminar: Contemporary Issues and Concerns (credit: 3 units)

This course deals with local and global changes which affect health and its delivery. It includes discussions of the various problems concomitant to nursing administration irrespective of its nature; nursing education or nursing service, and its possible solutions.

MSN 113 – Home Health Care (credit: 3 units; lecture: 54 hours)

This course deals with home health care extensively used in the US that can be taught to nursing graduate students so that they can use their knowledge to design a similar program that can be adapted in the Philippines as well as prepare them for possible nursing practice in the US and other western countries.

MASTER OF SCIENCE IN NURSING MAJOR IN NURSING ADMINISTRATION
(MSNAd)

I. FOUNDATION SUBJECTS - - - - - 9 units

Educ 100 – Methods of Research	3
Educ 101 – Statistics	3
MSN 100 – Philosophy and Science of Nursing.....	3

II. FIELD OF CONCENTRATION - - - - - 24 units

MSN 101 – Theories in Nursing	3
MSN 102 – Nursing Assessment	3
MSN 103 – Nursing Management and Leadership	3
MSN 104 – Clinical Nursing: An Overview.....	3

ANY OF THE FIELD OF SPECIALIZATION (credit: 12 units)

MSN 105 – Human Resources and Legal Aspects in Nursing	3
MSN 106 – Financial Management in Nursing	3
MSN 107 – Patient Care and Quality Management in Nursing.....	3
MSN 108 – Practicum in Nursing Service and Nursing Education.....	3

III. COGNATES - - - - - 6 units

MSN 110 – Seminar: Cultural Responses to Illness, Hospitalization And Home Care.....	3
MSN 111 – Advanced Nursing Informatics	3
MSN 112 – Seminar: Contemporary Issues and Concerns.. ..	3
MSN 113 – Home Health Care.....	3

IV. MASTER’S THESIS - - - - - 6 units

SUMMARY:

Foundation Subjects	9
Field of Concentration	24
Cognates	6
Master’s Thesis	6

T o t a l - - 45 units

COURSE REQUIREMENTS:

- Comprehensive Examination
- Master’s Thesis

**COURSE DESCRIPTION: MASTER OF SCIENCE IN NURSING MAJOR IN
NURSING ADMINISTRATION (MSNAd)**

FOUNDATION SUBJECTS (credit 9 units)

Educ 100 – Methods of Research (credit:3 units; lecture:54 hours(3 hours/week x 18 weeks) This course is to expose graduate students to the research process in nursing through the discussion of the steps and examination of completed research reports. A requirement for submission is a research design on an approved topic

Educ 101 – Biostatistics and Epidemiology (credit:3 units; lecture:54 hours) Biostatistics deals with the collection, organization, presentation, analysis and interpretation of data or information that can be stated numerically. This course uses statistical methods to summarize the data and statistical procedures to reach certain conclusions that can be applied to research in nursing Practical emphasis is given to study design and the interpretation of results of research in nursing

MSN 100 – Philosophy and Science of Nursing (credit: 3 units; lecture: 54 hours) The course deals with philosophy of nursing as well as the principles and facts of contemporary issues confronting the individual professional nurse and his professional organization, legislation, education, and international and national recent developments in nursing, including social responsibility and accountability, and biomedical ethical concerns

FIELD OF CONCENTRATION (credit: 24 units)

MSN 101 – Theories in Nursing (credit: 3 units; lecture: 54 hours) This course deals with the comparative study of the different nursing theories. Discussion on various theories in nursing as applied to patient care is emphasized so as to guide the nursing professional in the nursing practice.

MSN 102 – Nursing Assessment (credit: 3 units; lecture: 54 hours) This course deals with the sharpening of skills of the nurse practitioner in its assessment of nursing cases utilizing different courses and methodologies. It includes the interpretation of laboratory findings, health screening and selecting strategies for primary, secondary and tertiary levels of nursing care.

MSN 103 – Nursing Management and Leadership (credit: 3 units; lecture: 54 hours) This course deals with management and leadership theories, concepts, principles, strategies and techniques that the nurse manager can use in daily practice in planning, organizing, directing and controlling the three major areas of nursing responsibility in order to meet the demands of constantly changing patient care services. It utilizes both theoretical and practical approaches in enhancing the development of management competencies among graduate nursing students.

MSN 104 – Clinical Nursing: An Overview (credit: 3 units; lecture: 54 hours) This course is an overview of the clinical aspects of the nursing profession that deals with the respective areas of nursing specialization in and with special emphasis and focus on nursing service and nursing education

ANY OF THE FIELD OF SPECIALIZATION (credit:12 units)

NURSING ADMINISTRATION

MSN 105 – Human Resources Management and Legal Aspects in Nursing (credit:3 units; lecture:54 hours) This course is designed to develop an in-depth understanding of the nature of people at work and of the human dynamics of nursing administration including management as a function, management of people, and legal aspects in the practice of nursing.

MSN 106 – Financial Management in Nursing (credit: 3 units; lecture: 54 hours) This course provides the nursing administrator a practical knowledge in financial management which involves planning, directing, monitoring, organizing and controlling the monetary resources of the organization by being able to read and understand four standard financial reports namely: the balance sheet, revenue and expense statement, changes in fund balance /net worth and cash flows

MSN 107 – Patient Care and Quality Management in Nursing (credit: 3 units; lecture:54 hours) This course deals with quality management in nursing. Nursing is a health care service that must not only heal the patient but make the patient happy and satisfied with the nursing service. This also gives an overview of the connection between health care service satisfaction of patients and the financial health of the organization where nurses render their services

MSN 108 – Practicum in Nursing Service and Nursing Education (credit:3 units; lecture: 54 hours) This course is the practical application of the clinical aspects learned from the theoretical viewpoint on nursing service and nursing education

COGNATES (any 2 of the following)

MSN 110 – Seminar: Cultural Responses to Illness, Hospitalization and Home Care (credit: 3 units)

This course deals with the different cultural responses to different illnesses including the different ways of dealing with illnesses either through hospitalization or home care.

MSN 111 – Advanced Nursing Informatics (credit: 3 units; lecture: 54 hours)

This course is designed to provide graduate nursing students adequate knowledge in computer education as well as hands-on training in the fundamental skills in computer application and operations.

MSN 112 – Seminar: Contemporary Issues and Concerns (credit: 3 units)

This course deals with local and global changes which affect health and its delivery. It includes discussions of the various problems concomittant to nursing administration irrespective of its nature; nursing education or nursing service, and its possible solutions.

MSN 113 – Home Health Care (credit: 3 units; lecture: 54 hours)

This course deals with home health care extensively used in the US that can be taught to nursing graduate students so that they can use their knowledge to design a similar program that can be adapted in the Philippines as well as prepare them for possible nursing practice in the US and other western countries

MASTER OF ARTS MAJOR IN HOSPITAL ADMINISTRATION (MAHAd)

PRE-REQUISITES FOR NON-MEDICAL/PARAMEDICAL GRADUATE STUDENTS 9 units

- HAd 97 – Philippine Health Care Delivery Systems 3
- HAd 98 – Intro to Hospital System and Health Services 3
- HAd 99 – Basic Finance and Marketing Strategies..... 3

I. FOUNDATION SUBJECTS - - - - - 9 units

- HAd 100 – Methods of Research.....3
- HAd 101- Biostatistics and Epidemiology.....3
- HAd 102 – Organization and Management.....3

II. FIELD OF CONCENTRATION ----- - - - 18 units

- HAd 103 – Introduction to Hospital Administration
and Hospital Information System 3
- HAd 104 – Leadership and Decision Making..... 3
- HAd 105 – Hospital Plant and Facilities Management..... 3
- HAd 106 – Hospital Planning and Financial Management3
- HAd 107 – Management of primary, Secondary and
Rural Hospitals.....3
- HAd 108 Advanced Seminar in Hospital Administration
/Management in Practicum3.....3

III. COGNATES - - - - - 6 units

- HAd 109 – Human Behavior.....3
- HAd 110 – Ethical And Legal Issues in
Hospital Administration..... 3
- HAd 111 – Computer and health Informatics..... 3

IV. MASTER’S THESIS- - - - - 6 units

SUMMARY:

- Foundation Subjects- - - - - 9
- Field of Concentration- - - - - 18
- Cognates - - - - - 6
- Master’s Thesis- - - - - 6

T O T A L - - 39 units

COURSE REQUIREMENTS:

- Comprehensive Exam
- Master’s Thesis

COURSE DESCRIPTION: MASTER OF ARTS IN HOSPITAL ADMINISTRATION

PRE-REQUISITES FOR NON-MEDICAL/PARAMEDICAL GRADUATE STUDENTS

HAd 97 – Philippine Health Care Delivery Systems

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course is a study of the social, political, and economic systems that influence Philippine Healthcare.

HAd 98 – Intro to Hospital System and Health Services

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course introduces the subject of hospital system and supportive health services with the hospital as an integral part of a Medical and Social Organization to provide a complete health care system. Medical care is a program of services available to the population, all facilities of medical and other allied services to promote a healthy body and mind both curative and preventive with the hospital as the center for service, training and research.

HAd 99 – Basic Finance and Marketing Strategies

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This is a basic pre-requisites course in preparation for the degree of Master of Arts major in Hospital Administration (MAHAD), this course equips the student-learners with the understanding of the fundamental concepts of basic finance and marketing management strategies currently used by exciting business institutions.

FOUNDATION SUBJECTS

HAd 100 – Methods of Research

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The course exposes the graduate students pursuing their master course to the research process in education through the discussion through the discussion of the steps and examination of completed research reports. A requirement for submission is a research design on a approved topic.

HAd 101- Biostatistics and Epidemiology

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course is about biostatistics that deals with the collection, organization, presentation, analysis and interpretation of biological information that can be stated numerically.

This course uses statistical methods to summarize the data and statistical procedures to reach certain conclusions that can be applied to patient care and public health planning. Health professionals are frequently faced with data on which they must base clinical judgments. Particular emphasis is given to study design and the interpretation of results of medical research.

HAd 102 – Organization and Management

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The main discipline of the course in management science whose area of concern has been expanded from the narrow concept of executive management to the development of the whole organization.

The technological and cultural assessment of the organizational matrix includes among other things the study of the organization's five (5) organizational factors, namely: Purpose, Structure, Technology, Process and People.

FIELD OF CONCENTRATION

HAd 103 – Introduction to Hospital Administration and Hospital Information System

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The course introduces the subject of hospital administration to students who may or may not have any experience in the management of a hospital. Planning the establishment of a hospital and managing the directions of a hospital is also covered in this course. At the same time, it also provides certain essential concepts on how a hospital information system.

HAd 104 –Leadership and Decision Making

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course focuses on the ever changing nature of leadership; its dynamic amidst complex growing jungle of human organizations where the trait itself, the function of the situation undergoes a transformation simultaneously as the elements it is addressed to influence changes in output, substance, number, quality and direction. This course teaches the theory that the effectiveness of a manager is measured by the quality or soundness of the decisions he makes.

HAd 105 – Hospital Plant and Facilities Management

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course focuses on the operation and management of hospital plant and facilities, including the proper disposal of hospital waste and maintaining clean environment

HAd 106 – Hospital Planning and Financial Management

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course focuses on the planning of the marketing techniques, on how to market or sell the services of hospitals, clinics or laboratories of government or private agencies to the community residents in barangays, towns, cities and provinces and to the regional population in general. The concept is based on the theory that patient or the public in general will prefer hospitals, clinics or laboratories whose services are of good quality – that is acceptable, affordable and culturally acceptable to them. Students are taught on the basic characteristics of a good marketing system that are applicable to the health or hospital industry and the identification of the market situation as well as the consumers in the society.

The main focus of the course is strategizing the organization's financial direction as well as the resource allocation, utilization and control. It concerns with the performance of the organization's day to day financial operation, the sources of funds to maintain its expenditures. Financial management tools and techniques can aid in providing the community quality service.

HAd 107 – Management of Primary, Secondary and Rural Hospitals

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The course deals on the evolution of the hospital as a subsystem of the health care system.

It emphasizes the role of hospital management in the coordination of all resources through the process of planning, organizing, directing and controlling.

HAd 108 Advanced Seminar in Hospital Administration /Management in Practicum

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course deals with the health promotion activities and the practical application of knowledge learned in the management of health services. Students are

expected to carry out community health campaigns and other home-health services in health clinics and in other public health agencies. Seminars and lectures on infectious disease control, sanitation, maternal-child health, good personal habits, reduction of health hazards and health maintenance will be conducted for public health education in the community.

COGNATES

HAd 109 – Human Behavior

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The course with an academic designation of Human Behavior in Organization is actually the management of men in organizations. It involves the effective use of human resources paying special attention on the social and cultural forces extant in a country that exerts considerable pressure on all the segments of an enterprise. The study on human behavior considers the importance of social and psychological forces in condition-ing human behavior that enhances organizational efficiency.

This course also deals with: (a) understanding behavior, human relations and performance, (b) the diversity in personality, intelligence and perception, and (c) the diversity in attitude, self-concept and values of man.

HAd 110 – Ethical And Legal Issues in Hospital Administration

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course discusses the different ethical issues affecting governance and management of hospitals as well as the legal risk and responsibilities on the job in relation to the expected standards of care. Students can gain necessary knowledge by providing them fundamental information on the laws that directly govern medical practice.

The course provides basic principles of ethics in health, moral philosophies, physician-patient relationship including physician and patients rights, malpractice liability, legal aspects of documentation, medical witness and the court as well as ethical decision making. Laws relevant to the practice of medicine will also be discussed.

HAd 111 – Computer and health Informatics

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course is designed to provide students adequate basic knowledge in computer as well as hands-on training in the fundamental skills in computer application and operations.

MASTER OF ARTS IN ORGANIZATION DEVELOPMENT (MAOD)

PRE-REQUISITES FOR NON-OD/BUSINESS ADMINISTRATION GRADUATE STUDENTS 9 units

OD 98 – Basic Business Administration	3
OD 99 – Basic Business Strategic Management	3
OD 100 – Principles of Management	3

I. FOUNDATION SUBJECTS - - - - -9 units

Educ 100 – Methods of Research	3
Educ 101 – Statistics	3
OD 101 – Philosophy of Organization Development and the OD Process	3

II. FIELD OF CONCENTRATION - - - - -18 units

OD 102 – Management of Change through O.D. Interventions ...	3
OD 103 – Team Building and Group Dynamics.....	3
OD 104 – Human Resources Management.....	3
OD 105 – Leadership and Decision Making	3
OD 106 – Organization and Management.....	3
OD 107 – Organization Culture and Climate in a People Centered Organization	3

III. COGNATES - - - - -6 units

OD 108 – OD Ethics	3
OD 109 – Human Behavior in Organization	3
OD 110 – Computer	3

IV. MASTER’S THESIS - - - - -6 units

SUMMARY:

Foundation Subjects	9
Field of Concentration	18
Cognates	6
Master’s Thesis	6

T O T A L - - 39 units

COURSE REQUIREMENTS:

- Comprehensive Examination
- Master’s Thesis

**COURSE DESCRIPTION: MASTER OF ARTS IN ORGANIZATION
DEVELOPMENT**

PRE-REQUISITES FOR NON-OD/BUSINESS ADMINISTRATION GRADUATE STUDENTS:

OD 98 – Basic Business Administration

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course prepares the student-learners to understand the basics of business rearrangement and administration and its major functional areas, namely: Human Resource Management, Production and Operations, Financial Management and Marketing Management. Any graduate of Organizational Development should be able to read Marketing and Sales reports, Basic Financial Statements like balance sheets, income statements, break-even analysis computations and calculations and other quantitative formulas.

OD 99 – Basic Business Strategic Management

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course is a basic pre-requisite in preparation for the degree of Master of Arts in Organization Development (MAOD), this course equips the student-learners with the understanding of the fundamental concepts of basic finance and marketing management strategies currently used by exciting business institutions.

OD 100 – Principles of Management

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

Theories, concepts and processes in organization and management.

FOUNDATION SUBJECTS

Educ 100 – Methods of Research

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The course exposes the graduate students pursuing their master course to the research process in education through the discussion through the discussion of the steps and examination of completed research reports. A requirement for submission is a research design on a approved topic.

Educ 101 – Statistics

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The course immerses the graduate students in the research processes and the statistical measures and interpretation of research data. The expected output is a research design for a master's thesis.

OD 101 – Philosophy of Organization Development and the OD Process

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The core concept of OD is Planned Organizational Change. Like any discipline, this field of study in planned organizational change has its own unique Philosophy, Process, Technology and Practice. This course focuses on the philosophy of OD which includes the OD value system, definition of OD, interdisciplines and trends affecting organizations particularly systems approach and systems.

FIELD OF CONCENTRATION

OD 102 – Management of Change through O.D. Interventions

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

Change is an ongoing reality. This course focuses on the reality of change in individuals, groups, organizations and societies. It discusses the various theories and approaches related to the process of change with a view of coming up with an alternative change model particularly documented by readings and actual study of change in an organization.

OD 103 – Team Building and Group Dynamics

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course emphasized what makes a quality team and effective leadership and how teams can make or break an organization. The course deals with the techniques and methods designed to build a team and outline the function of group dynamics to enhance team performance for an effective and efficient organization.

OD 104 – Human Resources Management

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course deals with the holistic view of the human resource process based on the Human Resource Concept. It underscores the effective management and use of human resources in achieving organizational goals and objectives.

OD 105 – Leadership and Decision Making

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course focuses on the ever changing nature of leadership; its dynamics amidst complex growing jungle of human organizations where the trait itself, the function of the situation undergoes a transformation simultaneously as the elements it is addressed to influence changes in output, substance, number, quality and direction.

This course teaches the theory that the effectiveness of a manager is measured by the quality or soundness of the decisions he makes.

OD 106 – Organization and Management

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The course's main discipline is in management science whose area of concern has been expanded from the narrow concept of executive management to the development of the whole organization.

The technological and cultural assessment of the organizational matrix includes among other things the study of the organization's five (5) organizational factors, namely: Purpose, Structure, Technology, Process and People.

OD 107 – Organization Culture and Climate in a People Centered Organization

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course deals on the process of culture and climate building in a people-centered organization and the implications to management by values and relations.

COGNATES

OD 108 – OD Ethics

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course deals with the values of OD Professionals, the knowledge and skills necessary for competence in OD and the ethical guidelines of OD.

OD 109 – Human Behavior in Organization

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course deals with the management of men in an organization, analyzing and developing their values in the process of operation and interaction. It also concerns itself in guiding men under their charge to become more responsive and productive in their work situations without losing sight of global concerns.

OD 110 – Computer

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course is designed to provide students adequate basic knowledge in computer as well as hands-on training in the fundamental skills in computer application and operations.

MASTER OF ARTS MAJOR IN EDUCATIONAL MANAGEMENT (MAEM)

PRE-REQUISITE COURSES FOR NON-EDUCATION GRADUATE STUDENTS - -9 units

Educ 97 – Understanding the Learners.....	3
Educ 98 – Philosophy of Education	3
Educ 99 – Principles of Teaching and Learning	3

I. FOUNDATION SUBJECTS - - - - - 9 units

Educ 100 – Methods of Research	3
Educ 101 – Statistics	3
Educ 102 – Foundations of Education	3

II. FIELD OF CONCENTRATION - - - - - 18 units

Educ 103 – Instructional Design and The Teaching Process.....	3
Educ 104 – Advanced Educational Psychology	3
Educ 105 – Theories of Learning and Learning Styles (Methods of Teaching)	3
Educ 106 – Administration and Supervision of Educational Programs .	3
Educ 107 – Authentic Evaluation of Instruction (Test and Measurement)	3
Educ 108 – Syllabus Making and Curriculum Development	3

III. COGNATES - - - - - 6 units

Educ 109 – Guidance and Counseling Techniques	3
Educ 110 – Organization and Management	3
Educ 111 – Computer	3

IV. MASTER’S THESIS - - - - - 6 units

SUMMARY:

Foundation Subjects	9
Field of Concentration	18
Cognates	6
Master’s Thesis	6

T O T A L - - 39 units

COURSE REQUIREMENTS:

- Comprehensive Examination
- Master’s Thesis

**COURSE DESCRIPTION: MASTER OF ARTS MAJOR IN EDUCATIONAL
MANAGEMENT**

PRE-REQUISITES FOR NON-EDUCATION GRADUATE STUDENTS:

Educ 97 – Understanding the Learners

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The course presents to the graduate students research findings on the nature of learners.

Educ 98 – Philosophy of Education

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The course deals with the basic philosophic understanding, which lead the students to a logical and systematic theory of education. This includes solutions for educational problems through understanding of the relationship between philosophy and education, the aims and functions of educational philosophy, its importance and implications in education. The course also covers the different educational concepts based on different schools of philosophy.

Educ 99 – Principles of Teaching and Learning

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The course orients the graduate students and the classroom teachers to findings of research

FOUNDATION SUBJECTS

Educ 100 - Methods of Research

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The course exposes the graduate students pursuing their master course to the research process in education through the discussion through the discussion of the steps and examination of completed research reports. A requirement for submission is a research design on a approved topic.

Educ 101 - Statistics

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The course immerses the graduate students in the research processes and the statistical measures and interpretation of research data. The expected output is a research design for a master's thesis.

Educ 102 - Foundations of Education

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The course focuses on the theories of learning that influence various elements on students' learning and a variety of conditions, modalities and environments that influence students' learning.

FIELD OF CONCENTRATION

Educ 103 - Instructional Design and the Teaching Process

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course is about the development of a design of a unit of instruction within the participants area of teaching with a particular consideration of the different available methods of instruction and their appropriateness for specific instructional situations in the health fields.

Educ 104 - Advanced Educational Psychology

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course deals with the principles, facts and techniques which constitute a sound basic teaching procedure. The primary concern of this course is the application of scientific knowledge concerning human personality to the process of teaching, that is, motivation, direction, control and evaluation of learning.

Educ 105 - Theories of Learning and Learning Styles

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The course focuses on the theories of learning that influence various elements on students' learning and a variety of conditions, modalities and environments that influence students' learning.

Educ 106 - Administration and Supervision of Educational Programs

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course is about the application of theories of management to the school/agency of participant in the determination and attainment of goals.

Educ 107 - Authentic Evaluation of Instruction

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The course provides the graduate students with the essential knowledge and skills in the development and use of evaluation of classroom instruction and seeks to develop in them recognition and appreciation of the important of sound evaluation of instruction.

Educ 108 - Syllabus Making and Curriculum Development

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This is a study of the impact of societal changes on the curriculum. It discusses the current theories and concepts prevailing in man's environment which have influenced his education. It includes syllabus making to guide the learners in the course of study.

COGNATES

Educ 109 - Guidance and Counseling Techniques

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course provides training for students to the different counseling techniques needed to assist the client to learn more about himself and to accept himself as an individual so that he may become a more productive member of society.

Educ 110 - Organization and Management

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The course' main discipline is in management science whose area of concern has been expanded from the narrow concept of executive management to the development of the whole organization.

The technological and cultural assessment of the organizational matrix includes among other things the study of the organization's five (5) organizational factors, namely: Purpose, Structure, Technology, Process and People.

Educ 111 - Computer

Credit : 3 Units

No. of Hours : Lecture – 1 hour/week x 18 weeks = 18 hours

Laboratory – 2 hours/week x 18 weeks = 36 hours

Total No. of Hours: 54 hours

This course is designed to provide students adequate basic knowledge in computer as well as hands-on training in the fundamental skills in computer application and operations.

**MASTER OF ARTS MAJOR IN TEACHING MEDICAL RELATED SUBJECTS
(MATMRS)**

PRE-REQUISITE COURSES FOR NON-EDUCATION GRADUATE STUDENTS- - -9 units

Educ 97 – Understanding the Learners.....	3
Educ 98 – Philosophy of Education	3
Educ 99 – Principles of Teaching and Learning	3

I. FOUNDATION SUBJECTS - - - - - 9 units

Educ 100 – Methods of Research	3
Educ 101 – Statistics	3
Educ 102 – Foundations of Education	3

II. FIELD OF CONCENTRATION - - - - - 18 units

Educ 103 – Instructional Design and The Teaching Process.....	3
Educ 104 – Trends in Health Science Curriculum.....	3
Educ 105 – Theories of Learning and Learning Styles (Methods of Teaching)	3
Educ 106 – Clinical Teaching & Evaluation of Clinical Competence	3
Educ 107 – Authentic Evaluation of Instruction (Test and Measurement)	3
Educ 108 – Syllabus Making	3

III. COGNATES - - - - - 6 units

Educ 109 – Human Behavior	3
Educ 110 – Organization and Management	3
Educ 111 – Computer	3

IV. MASTER’S THESIS - - - - - 6 units

SUMMARY:

Foundation Subjects	9
Field of Concentration	18
Cognates	6
Master’s Thesis	6

T O T A L - - 39 units

COURSE REQUIREMENTS:

- Comprehensive Examination
- Master’s Thesis

**COURSE DESCRIPTION: MASTER OF ARTS MAJOR IN
TEACHING MEDICAL RELATED SUBJECTS**

Educ 97 – Understanding the Learners

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The course presents to the graduate students research findings on the nature of learners.

Educ 98 – Philosophy of Education

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The course deals with the basic philosophic understanding, which lead the students to a logical and systematic theory of education. This includes solutions for educational problems through understanding of the relationship between philosophy and education, the aims and functions of educational philosophy, its importance and implications in education. The course also covers the different educational concepts based on different schools of philosophy.

Educ 99 – Principles of Teaching and Learning

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The course orients the graduate students and the classroom teachers to findings of research

FOUNDATION SUBJECTS

Educ 100 - Methods of Research

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The course exposes the graduate students pursuing their master course to the research process in education through the discussion through the discussion of the steps and examination of completed research reports. A requirement for submission is a research design on approved topic.

Educ 101 - Statistics

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The course immerses the graduate students in the research processes and the statistical measures and interpretation of research data. The expected output is a research design for a master's thesis.

Educ 102 - Foundations of Education

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The course focuses on the theories of learning that influence various elements on students' learning and a variety of conditions, modalities and environments that influence students' learning.

FIELD OF CONCENTRATION**Educ 103 – Instructional Design and The Teaching Process**

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The development of a design of a unit of instruction within the participants area of teaching with a particular consideration of the different available methods of instruction and their appropriateness for specific instructional situations in the health fields.

Educ 104 – Trends in Health Science Curriculum

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course deals with the specialty area and the significant changes in the curricula of the Allied Medical Professions, over the last few decades; analysis of each trend, the factors determining it, advantages and pitfalls of. Offering of this course was envisioned to provide working professionals with principles to apply in the implementation of development technology. Advanced concepts of Health Science are integrated into their specific line of specialization.

Educ 105 – Theories of Learning and Learning Styles (Methods of Teaching)

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The course focuses on the theories of learning that influence various elements on students' learning and a variety of conditions, modalities and environments that influence students' learning.

Educ 106 – Clinical Teaching & Evaluation of Clinical Competence

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course deals with the development of a model of clinical problem solving, strategies to teach it; construction and implementation of evaluative instrument to assess it and most importantly, interpretation and utilization of their results.

Educ 107 – Authentic Evaluation of Instruction (Test and Measurement)

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The course provides the graduate students with the essential knowledge and skills in the development and use of evaluation of classroom instruction and seeks to develop in them recognition and appreciation of the important of sound evaluation of instruction.

Educ 108 – Syllabus Making

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course is a study of the impact of societal changes on the curriculum. It discusses the current theories and concepts prevailing in man's environment which have influenced his education. It includes syllabus making to guide the learners in the course of study.

COGNATES

Educ 109 – Human Behavior

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The course with an academic designation of Human Behavior in Organization is actually the management of men in organizations. It involves the effective use of human resources paying special attention on the social and cultural forces extant in a country that exerts considerable pressure on all the segments of an enterprise. The study on human behavior considers the importance of social and psychological forces in

conditioning human behavior that enhances organizational efficiency. This course also deals with: (a) understanding behavior, human relations and performance, (b) the diversity in personality, intelligence and perception, and (c) the diversity in attitude, self-concept and values of man.

Educ 110 – Organization and Management

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

The course's main discipline is in management science whose area of concern has been expanded from the narrow concept of executive management to the development of the whole organization.

The technological and cultural assessment of the organizational matrix includes among other things the study of the organization's five (5) organizational factors, namely: Purpose, Structure, Technology, Process and People.

Educ 111 – Computer

Credit : 3 Units

No. of Hours : Lecture – 3 hours/week x 18 weeks = 54 hours

Total No. of Hours: 54 hours

This course is designed to provide students adequate basic knowledge in computer as well as hands-on training in the fundamental skills in computer application and operations.

MASTER OF ARTS IN OCCUPATIONAL THERAPY (MAOT)

PRE-REQUISITES FOR ALL OCCUPATIONAL THERAPY GRADUATE STUDENTS- - 9 units

OT Educ	Strategies of Teaching and Health Education.....	3
OD 115	Communication, Marketing and Promotion in OT Practice.....	3
OT 116	Basic Financial Management and Accounting in OT Practice and Service Delivery.....	3
OD 117	Entrepreneurship and Creativity in OT.....	3

I. FOUNDATION SUBJECTS- - - - -9 units

Educ 100	Methods of Research	3
Educ 101	Applied Statistics.....	3
MAOT 200	Applied Evidence-Based Practice in OT and Rehabilitation.....	3

II. MAJOR SUBJECTS (FIELD OF CONCENTRATION) - - - - -24 units

MAOT 201	Advanced Studies in Occupation, Occupational Science and Models of Practice in OT.....	3
MAOT 202	Contemporary Practice Trends and Practice Issues in OT.....	3
MAOT 203	Group Dynamics& Group Process in OT.....	3
MAOT 204	Health Promotion and Wellness in OT and Rehabilitation.....	3
MAOT 205	Leadership and Decision Making and Human Behavior in Occupational Therapy.....	3
MAOT 206	Advanced Assessment, Practice Concepts and Intervention Skills in OT I.....	3
MAOT 207	Advanced Assessment, Practice Concepts and Intervention Skills in OT II.....	3
MAOT 208	Advanced Ergonomics, Advanced Concepts in Adapting Environments and Assistive Technologies.....	3

III. COGNATES- - - - -6 units

MAOT 209	Ethical and Legal Issues in Health Care and Rehabilitation.....	3
MAOT 210	Advanced Physical Agent Modalities(PAM) and Adjunctive Methods.....	3

IV. MASTER'S THESIS- - - - -6 units

SUMMARY:

Foundation Subjects.....	9
Major Subjects.....	24
Cognates.....	6
Master's Thesis.....	6

.....
T O T A L - - 45 units

COURSE REQUIREMENTS:

- Comprehensive Examination
- Master's Thesis

COURSE DESCRIPTION: MASTER OF ARTS IN OCCUPATIONAL THERAPY

PRE-REQUISITES FOR ALL OCCUPATIONAL THERAPY GRADUATE STUDENTS:

OT Educ – Strategies of Teaching and Health Education (credit:3 units; lecture:54 hours)

Prerequisite subjects:

OT 101 Intro to OT

OT 102 Theoretical Foundations in OT

Human Behavior in Occupational Therapy

This course introduces the principles of effective teaching and learning in occupational therapy and health education for clients, consumers, communities and organizations across the lifespan. The students will be able to analyze, evaluate and construct knowledge. With their background in the different occupational therapy models of practice and theories, students will also be able to create effective learning environments for a broad spectrum of clients from individuals, groups, communities, organizations, populations and systems. Special emphasis is given to integration of teaching and learning principles with task analysis of learning and learning activities to meet therapeutic goals. This course also introduces the students in the concept of evidence-based practice in education. The students will also be introduced to the research process in education. This course also introduces the students to the concept and system of clinical education and fieldwork training in OT. This course also introduces students to concepts such as constructing learning objectives and behavioral goals as a foundation for effective documentation in OT practice. Learners will also understand the impact of ethical, legal and economic factors on the education process in the Philippines., U.S., Europe and Asia. Students will gain exposure and skills on the use of different technology in teaching and learning.

OT 115 – Communication, Marketing and Promotion in OT Practice (credit:3 units; lecture:54 hours)

Prerequisite subjects:

Speech 11 Oral and Aural Communication

Psych 1 General Psychology

Compu 11 Fundamental Skills and Word Processing

OT 101 Introduction to Occupational Therapy

This course emphasizes the equipping of the students with the knowledge, skills and basic strategy in applied marketing in occupational therapy and healthcare. Students will develop a sound marketing plan and strategy. Students will field test their marketing plan in the occupational therapy setting. Students will also learn how to use key related facts and emerging trends both in local and international context in developing an effective marketing strategy. Key concepts such as branding of occupational therapy service and products, pricing and promotion of service delivery models and customer service strategies are tackled. Skills in sales and business presentation are also incorporated. This course also introduces the student to grant

writing as an important tool in occupational therapy in helping market a community-based rehabilitation program to potential third party sponsors or funders.

The ultimate goal of this course is to provide the occupational therapy student the basic and advance knowledge, skill and confidence they need in planning, strategizing and implementing effective methods of marketing, promoting and communicating occupational therapy service as an OT manager or business owner in various settings and service delivery models of their choice.

OT 116 - Basic Financial Management and Accounting in OT Practice and Service Delivery (credit:3 units; lecture:54 hours)

Prerequisite subjects:

Math 11 College Algebra

Math 14 Basic Statistics

This course introduces the occupational therapy student to key concepts in financial management such as assets, liabilities, income statements, balance sheets, different forms of investments and investment instruments. The students will learn to develop personal and organizational financial plan, strategies and system. Students will be introduced to concepts in investment, investment skill and strategies. Students will also be introduced to reimbursement systems and third party payers such as medicare, medicaid, medical and health insurance. Students will also be introduced how the healthcare system in the Phil., U.S. and Europe works in terms of reimbursement and payment methods. This course also tackles ethical issues in financial management and accounting in OT practice and running a rehabilitation or health related business.

OT 117 - Entrepreneurship and Creativity in Occupational Therapy (credit:3 units;lecture:54 hours)

This course helps the student-professional apply OT and OD intervention strategies in entrepreneurship. Students learn what are the roles of an OT entrepreneur in the development and success of a small, medium or large business. In this course, students will creatively explore through experiential learning the different methods of delivering OT services in individuals, organizations, communities and populations. Students will also create alternative ways of delivering OT services taking into consideration local and international context in both traditional and emerging healthcare systems.

Students will develop business plans and marketing strategies and research potential financing through grants or loans. Legal and ethical issues impacting practice are also reviewed in designing and developing business plans. Creative Entrepreneurship as an occupation is also examined and analyzed for its therapeutic value and potential. Designing entrepreneurship strategies and programs for communities and organizations as an alternative to employment is also explored

FOUNDATION SUBJECTS

Educ 100 -Methods of Research (credit: 3 units; lecture:54 hours)

Pre-requisite subjects:

Math 1 Basic Statistics

OT Res 11 Elements of Research in Occupational Therapy and Proposal Writing

OT Res 12 Research Data Collection in OT

OT Res 13 Research Interpretation and Defense in Occupational therapy

This course exposes the graduate students pursuing their master course to the research process in education through the discussion of the steps and examination of completed research reports. Students will also learn to determine research problems relevant to allied health, interpretation and use of evidence-based literature, development of research protocol, research writing and presentation, and advance statistics. This course also provides a foundation for future professional and scholarly activities with emphasis on local, international, and evidenced-based research for informed practice decisions. Oral and written communication skills for research are also emphasized. Learners also will demonstrate ability to write grant proposals effectively. Students learn to apply OT code of ethics in the research process. A requirement for submission is a research design and proposal on the approved topic.

Educ 101 - Applied Statistics (credit:3 units; lecture:54 hours)

Prerequisite subjects:

Math 1 Basic Statistics

OT Res 11 Elements of Research in Occupational Therapy and Proposal Writing

OT Res 12 Research Data Collection in OT

OT Res 13 Research Interpretation and Defense in Occupational Therapy

This course is taken together with Educ100 Methods of Research course immerses the graduate students in the research processes and the statistical measures and interpretation of research data. Commonly used statistical analysis and their applications in clinical research are also examined. Emphasis is placed on implementing these tests for basic, clinical, management, leadership and entrepreneurial research. The expected output is a research design for a master's thesis.

MAOT 200- Applied Evidence-Based Practice in OT & Rehabilitation (credit:3 units; lecture:54 hours)

This course will provide students with the knowledge, skills and abilities to make independent judgments & critically evaluate scientific evidence in their practice focus areas. Through this critical evaluation and judgment of research and scientific evidence, students will apply evidenced-base practice in their decision-making. Students will enhance skills in reading evidence-based research articles, analyzing research papers, utilize technology and the internet in searching for evidence. Students will examine evidence related to OT models of practice and frames of reference; evidence related to evaluation tools and instruments utilized in OT; evidence related to health promotion and wellness specifically in obesity & weight management; evidence related to assistive and adaptive devices; evidence related to compensatory strategies; evidence related to care giving; evidence related to use of complementary and alternative medicine;

evidence related to emerging and controversial practice; evidence related to post-disaster preparedness, response, & recovery; evidence related to management and leadership. In this course, students will also learn how to create evidence in their area of practice.

MAJOR SUBJECTS (FIELD OF CONCENTRATION)

MAOT 201 - Advanced Studies in Occupation, Occupational Science and Models of Practice in OT (credit:3 units; Lecture:54 hours)

OT 101 Introduction to Occupational Therapy and Occupation,
OT 102 Theoretical Foundations in Occupational Therapy

This course is a comprehensive re-examination and application of the different theories and models of practice in occupational therapy in various dimensions of health and health conditions. Students will learn to analyze The Occupational Therapy Practice Framework as a tool in understanding how different OT models and frames of reference are integrated for addressing client needs and concerns. Students are introduced to evidence-based and client-centered practice. An in-depth examination of occupational therapy core philosophy, critical review of models and frames and reference being currently used in light of evidence-based practice. Students also explore current advancement in the use of occupation and occupational science in developing new theories, models, frames of reference and approaches. Students will understand what is client-centered practice and occupation-centered practice. Examination of various health care trends and technological breakthroughs affecting the practice of occupational therapy directly and indirectly is also given emphasis.

MAOT 202 - Contemporary Practice Trends and Practice Issues in OT (credit:3 units; lecture:54 hours)

Prerequisite subjects:

OT 101 Introduction to Occupational Therapy and Occupation
OT 102 Theoretical Foundations in Occupational Therapy

This course is an immersion on the different factors that drives the dynamically shifting occupational therapy practice both in the U.S. and the Philippines. Factors such as emerging practice areas, community-based practice settings, U.S. federal and state regulations, Phil. Laws and practice regulations, Medicare and Medicaid, the global economy, OT professional ethics and future vision of the profession.. This course includes a study on the 6 areas of focus in the AOTA centennial vision particularly in children and youth, productive aging, mental health, health and wellness, work and industry, rehabilitation, disability and rehabilitation. An extensive re-examination of the different traditional service delivery models, community-based service models and other contemporary models is also discussed including how they are impacting current practice choices. The impact of U.S. federal laws and state regulations on both international and local OT education & practice is also analyzed. U.S. and local ethical dilemmas in education and practice is also reviewed including regulatory board requirements in the Philippines and the U.S.

MAOT 203 - Group Dynamics and Group Process in OT (credit:3 units;lecture:54 hours)

This course explores further the role of occupational therapy in developing healthy groups and teams in communities, organizations, and populations. This course will review the various components of group theory including dynamics, therapeutic factors, design, leadership styles, development, roles & norms, co- leadership & COTA collaboration, family systems/groups, teamwork, and termination issues. Understanding and use of group dynamic theories, team building principles in organizational and trans-organizational development, the occupational therapy student is equipped with the knowledge, attitude and skills in working with various groups in communities, organizations and populations. Students will participate in weekly structured & unstructured lab activities to experience group process & to develop one's therapeutic use of self. Students will also complete a group protocol assignment to infuse theory into occupational therapy practice.

This course also examines and explores evidence and research findings on group dynamics, group process and team building from an occupational therapy, organizational & trans-organizational development perspective. Implications in research and education on new evidence presented in the use of group intervention in occupational therapy are also discussed.

MAOT 204 - Health Promotion and Wellness in OT and Rehabilitation (credit: 3 units; lecture:54 hours)

This course is about equipping students with health promotion and prevention theory and practice as occupational therapists from the perspective of health rather than sickness. The ultimate objective of this course is equipping students with the theory and practical application of health promotion, wellness and prevention theories. Students will apply principles and theories of management, leadership and education in planning, strategizing, organizing, implementing and evaluating an effective health promotion and wellness program for communities, organizations and population.

Students will also learn to design occupation –based and client centered health promotion interventions in specific community settings, organizations and populations. Important areas of focus by the students will be promotion of exercise and physical activity; weight management and obesity reduction; lifestyle redesign; prevention of substance abuse in adolescents and adults; promotion of sexual health; promotion of mental health and emotional wellbeing; unintentional injury and violence prevention.

Students will also further enhance their skills in dealing with post-disaster preparedness, response and recovery individuals, communities and organizations.

MAOT 205 - Leadership, Decision Making and Human Behavior In Occupational Therapy (credit: 3 units; lecture:54 hours)

This course is about developing personal leadership and decision-making, leading people through change and understanding human behavior in organizations as applied

to occupational therapy practice in different practice settings. This course is a continuation and application of the theoretical concepts and frameworks in human behavior in occupational therapy into community and organizational leadership, in decision-making and various organizational settings in the different service delivery models of occupational therapy practice. Issues such as change, creativity, innovation, leadership integrity, character and other leadership-related concepts are addressed.

This course explores and examines the concept and application of transformational leadership and human behavior in organizational dynamics, motivation and mentoring, conflict resolution and teamwork. Evidence-based management and leadership are also discussed.

MAOT 206 - Advanced Assessment, Practice Concepts and Intervention Skills in OT I (credit:3 units; lecture:54 hours)

Prerequisite subjects:

OT 101 Introduction to Occupational Therapy and occupation

OT 102 Theoretical Foundations in OT

OT Ethics Ethics in Occupational Therapy

Org-Admin Organization and Administration in Occupational Therapy

MAOT 201 Advance Studies in Occupation, Occupational Science and Models of Practice in Occupational Therapy

This course addresses the practice of occupational therapy in nontraditional and community- based settings. This course is also Emphasis is on alternative models of delivery, including consultation and monitoring. Skills and issues related to effective and ethical practice will be addressed. Liability and ethical mandates will be examined. Development of competence standards and quality assurance will be emphasized.

MAOT 207 - Advanced Assessment, Practice Concepts and Intervention Skills in OT II (credit:3 units; lecture:54 hours)

This course examines and explores contemporary assessment methods and tools, advance intervention methods in pediatrics, adult and elderly. Students will learn to apply The Occupational Therapy Practice Framework: Domain and Process (AJOT, 2002) and conceptual models most relevant for their practice focus to evaluation and intervention processes. This course will also provide post-baccalaureate supervised professional clinical and administrative practice experience for BSOT graduates. Emphasis of supervision will be advance clinical practice concepts, program implementations and administrative functions.

MAOT 208 - Advanced Ergonomics, Advanced Concepts in Adapting Environments and Assistive Technologies (credit:3 units;lecture:54 units)

This course deals with three major areas of concern: ergonomics as applied to OT practice; environmental adaptation from the home to the workplace; assistive and adaptive technologies. A review of basic ergonomic and biomechanics principles including its contemporary application to OT are discussed. Review of the local and U.S.

legislations for accessibility for people with disabilities is included in the discussion. Specific legislations such as the Americans With Disabilities Act, the Philippine Magna Carta for the Disabled and the Accessibility Law are reviewed. This course also explores adaptation in the promotion of independence across the lifespan. Students also learn how to work with rehabilitation & industrial engineers, architects and other rehabilitation team members in designing and developing ergonomic workplaces and homes, adapting environments and assistive technologies.

COGNATES

MAOT 209 – Ethical and Legal Issues in Health Care and Rehabilitation

(credit:3 units:lecture:54 hours)

This course deals with the values of OD Professionals, the knowledge and skills necessary for competence in OD and the ethical guidelines of OD. This course reviews specific legislations, regulations and ethical issues for OT practitioners, OD and TD professionals. This course focuses on case studies in different ethical dilemmas OT professionals encounter from the individual, group, community, organizational, trans-organizational and population. Special emphasis is given to American OT practice and ethical issues including NBCOT requirements for foreign-trained therapists.

MAOT 210- Advanced Physical Agent Modalities(PAM) and other Adjunctive Methods (credit:3 units; laboratory:108 hours)

Prerequisites:All prerequisite subjects for MAOT
Basic Physical Agent Modalities (PAMS-OT)

This course is a continuation of the basic physical agent modalities in the bachelor level. In this course, students will explore more advance and creative methods in OT application of PAM during intervention. Students will also explore and learn other adjunctive methods such kinesiotaping, in combination with PAMS use. Learners will examine evidence related to PAM and other adjunctive methods. Students will explore emerging adjunctive methods and complementary and alternative medicine in occupational therapy practice.

MASTER OF ARTS IN PSYCHOLOGY (MAPSYC)

MAJOR IN: CLINICAL PSYCHOLOGY

INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY

SOCIAL PSYCHOLOGY

FOR ALL THREE MAJORS

PRE-REQUISITES for NON-PSYCHOLOGY GRADUATE STUDENTS - - - - -17 units

Psyc 11	General Psychology-----	3
Psyc 15	Behavioral Statistics-----	3
Psyc 16/19N	Experimental Psychology-----	5
Psyc 27/26N	Abnormal Psychology-----	3

For Clinical Psychology Major

Psyc	Clinical Psychology-----	3
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For Industrial/Organizational Psychology Major

Psyc 21/20N	Industrial Psychology-----	3
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For Social Psychology Major

Psyc 20/18N	Social Psychology-----	3
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I. FOUNDATION SUBJECTS- - - - - 18 units

MPsyc 100	Advanced Behavioral Statistics-----	3
MPsyc 101	Advanced Research Methods-----	3
MPsyc 102	Advanced Theories of Personality-----	3
MPsyc 103	Advanced Psychological Assessment-----	3

For Clinical Psychology Major

MPsyc 104	Advanced Abnormal Psychology-----	3
MPsyc 106	Psychological Counseling and Psychotherapy-	3

For Industrial/Organizational Psychology Major

MPsyc 109	Advanced Industrial Psychology-----	3
MPsyc 113	Advanced Group Dynamics-----	3

For Social Psychology Major

MPsyc 106	Psychological Counseling and Psychotherapy	3
MPsyc 117	Advanced Social Psychology-----	3

FOR CLINICAL PSYCHOLOGY MAJOR

II. MAJOR SUBJECTS - - - - - 15 units

MPsyc 105	Advanced Clinical Psychology-----	3
MPsyc 107	Psychology of Trauma Management-----	3
MPsyc 108	Projective Techniques -----	3
MPsyc 113	Advanced Group Dynamics-----	3
MPsyc 123	Neuropsychology-----	3

MINOR SUBJECTS (Select one only) - - - - -3 units

MPsyc 109	Advanced Industrial Psychology-----	3
MPsyc 115	Psychology of Attitude Change-----	3
MPsyc 118	Behavioral Modification-----	3
MPsyc 119	Child Psychology-----	3
MPsyc 120	Adolescent Psychology-----	3
MPsyc 121	Adult Psychology-----	3
MPsyc 122	Gestalt Psychology-----	3
MPsyc 126	Marriage and Family Therapy-----	3
MPsyc 127	Advanced Educational Psychology-----	3

FOR INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY MAJOR

II. MAJOR SUBJECTS ----- **15 units**

MPsyc 110	Advanced Training and Development-----	3
MPsyc 111	Personnel Management-----	3
MPsyc 112	Organizational Development-----	3
MPsyc 124	Consumer Psychology-----	3
MPsyc 132	Cross-Cultural Psychology-----	3

MINOR SUBJECTS (Select one only)- ----- **3 units**

MPsyc 104	Advanced Abnormal Psychology-----	3
MPsyc 108	Projective Techniques -----	3
MPsyc 115	Psychology of Attitude Change-----	3
MPsyc 118	Behavioral Modification-----	3
MPsyc 119	Child Psychology-----	3
MPsyc 120	Adolescent Psychology-----	3
MPsyc 121	Adult Psychology-----	3
MPsyc 122	Gestalt Psychology-----	3
MPsyc 125	Human Resource Management-----	3
MPsyc 133	Stress Management-----	3

FOR SOCIAL PSYCHOLOGY MAJOR

II. MAJOR SUBJECTS- ----- **5 units**

MPsyc 113	Advanced Group Dynamics-----	3
MPsyc 114	Psychological Test Development-----	3
MPsyc 115	Psychology of Attitude Change-----	3
MPsyc 116	Advanced Social Cognition-----	3
MPsyc 131	Filipino Psychology-----	3

MINOR SUBJECTS(Select one only) - ----- **3 units**

MPsyc 104	Advanced Abnormal Psychology-----	3
MPsyc 105	Advanced Clinical Psychology-----	3
MPsyc 108	Projective Techniques -----	3
MPsyc 118	Behavioral Modification-----	3
MPsyc 119	Child Psychology-----	3
MPsyc 120	Adolescent Psychology-----	3
MPsyc 121	Adult Psychology-----	3
MPsyc 122	Gestalt Psychology-----	3
MPsyc 126	Marriage and Family Therapy-----	3

III. INTERNSHIP ----- **3 units**

MPsyc 128	Internship
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IV. MASTER'S THESIS ----- **6 units**

MPsyc 129	Psychological Research Paper Writing 1-----	3
MPsyc 130	Psychological Research Paper Writing 2-----	3

SUMMARY:

Foundation Subjects-----	18
Major Subjects-----	15
Minor Subjects-----	3
Internship-----	3
Master's Thesis -----	6

COURSE REQUIREMENTS:

Comprehensive Examination
Master's Thesis

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T O T A L - - 45 units

**COURSE DESCRIPTION: MASTER OF ARTS IN PSYCHOLOGY MAJORS IN
CLINICAL, INDUSTRIAL/ORGANIZATIONAL, SOCIAL PSYCHOLOGY**

**PRE-REQUISITES FOR NON-PSYCHOLOGY GRADUATE STUDENTS
(ENROL AT THE COLLEGE OF ARTS AND SCIENCES, PSYCHOLOGY DEPARTMENT)**

Psyc 11 General Psychology (credit:3 units)

Psyc 15 Behavioral Statistics (credit: 3 units)

Psyc 16/19N Experimental Psychology (credit: 5 units)

Psyc 27/26N Abnormal Psychology (credit: 3 units)

For Clinical Psychology Major

Psyc Clinical Psychology (credit:3 units)

For Industrial/Organizational Psychology Major

Psyc 21/20N Industrial Psychology (credit: 3 units)

For Social Psychology Major

Psyc 20/18N Social Psychology (credit: 3 units)

FOUNDATION SUBJECTS

MPsyc 100 – Advanced Behavioral Statistics (credit:3 units; lecture:54 hours)

Biostatistics deals with the collection, organization, presentation, analysis and interpretation of biological information that can be stated numerically. This course uses statistical methods to summarize the data and statistical procedures to teach certain conclusions that can be applied to research in psychology. Practical emphasis is given to study design and the interpretation of results of research in psychology

MPsyc 101 – Advanced Research Methods (credit:3 units; lecture:54 hours(3 hours/week x 18 weeks)

This course is to expose graduate students to the research process in psychology through the discussion of the steps and examination of completed research reports. A requirement for submission is a research design on an approved topic

MPsyc102 -Theories of Personality (credit:3 units; lecture:54 hours)

This course is a review of research and theory of critical content areas in personality development that bear on achievement motivation, self-concept, aggression,

sex-differences, empathy, and other social behaviors; review of status of emotional behavior in personality theory and development

MPsyc 103 - Advanced Psychological Assessment (credit:3 units; lecture:54 hours)

This course provides an examination of psychological assessment and testing, including principles of assessment interviewing, test selection, evaluation and report writing, as well as test construction and standardization. Ability, interest, personality, vocational, marital and clinical tests will be examined.

MAJOR SUBJECTS (FIELD OF CONCENTRATION)

MPsyc 104 – Advanced Abnormal Psychology (credit:3 units; lecture: 54 hours)

This subject is an advanced course on abnormal psychology focusing on specific topics on mood, psychotic and anxiety disorders. The role of stress and emotion on psychopathology, and the treatment of these disorders with drug therapy and cognitive-behavior therapy will be considered. The student will be introduced to recent advancement in research and practice in these domains with focus on current basic and clinical research papers

MPsyc 105 – Advanced Clinical Psychology (credit:3 units; lecture:54 hours)

This subject is an introduction to the aetiology and assessment of the less common and refractory disorders including substance-related disorders, schizophrenia, bipolar disorder, personality disorders and eating disorders with instructions on methods of interventions including, psychodynamic psychotherapy and dialectical behavior therapy

MPsyc 106 – Psychological Counseling and Psychotherapy (credit:3 units; lecture:54 hours)

This subject introduces the student to the proper way of accurate assessment as to their causes, influences, and triggers, counseling, potential resolutions and therapy of psychological problems that aims for the sense of person's well being. This employs a range of techniques based on experiential relationship building, dialog, communication and behavior change designed to improve the mental health of the person

MPsyc 107 – Psychology of Trauma Management (credit:3 units; lecture:54 hours)

This subject is a study of the nature of traumatic stress, post-traumatic stress disorder and dissociation and appropriate response to persons traumatized by life

events. This provides the student the knowledge to make a difference in preventing the worst aspects of psychological trauma and responding appropriately when they happen.

MPsyc 108 – Projective Techniques (credit:3 units; lecture:54 hours)

This subject teaches the student the indirect and unstructured methods of investigation and use projection of respondents for inferring about underlying motives, urges or intentions which can not be secured through direct questioning. The respondents project their attitude and feeling unconsciously. This technique is useful in motivational research and attitude surveys.

MPsyc 109 – Advanced Industrial Psychology (credit:3 units; lecture:54 hours)

This subject is about the application of psychological theories, research methods and intervention strategies to workplace issues. The aims of this course is to focus on workplace productivity and at the same time keeping workers physically and psychologically healthy lives.

MPsyc 110 – Advanced Training and Development (credit:3 units; lecture:54 hours)

This course provides the student the methods for training and development in the workplace which is service –oriented and with its focus on customer satisfaction. The course also include skills to ensure top job performance such as leadership skills and human relation skills in and out of the workplace.

MPsyc 111–Personnel Management (credit:3 units; lecture:54 hours)

This is a study of the system of shared responsibility of employers and employees in the areas of working life that helps to reach satisfaction, productivity, motivation, well-being, and morale. Specifically, this course focuses on the factors that prevents and resolve problems involving individuals that arises from the workplace which in turn maintains peace at the place of work.

MPsyc 112 – Organizational Development (credit:3 units; lecture:54 hours)

This course focuses on the philosophy of Organizational Development (OD), the OD value system, definition of OD, inter-disciplines and trends affecting organizations particularly systems approach and systems

MPsyc 113 - Advanced Group Dynamics (credit:3 units; lecture:54 hours)

This course provides an overview of several theories of psychotherapy and counseling group development, dynamics, and processes. Issues pertaining to group leadership, ethics, work and team-building strategies will also be addressed.

MPsyc 114 – Psychological Test Development (credit:3 units; lecture:54 hours)

This course introduces the student to the subject of psychological test development which is an objective and psychological measure of a person's mental and/or behavioral characteristics which is based on the principles of standardization, objectivity, test norms, reliability and validity

MPsyc 115 – Psychology of Attitude Change (credit:3 units; lecture:54 units)

This course deals with a person's unique ability to create elaborate predispositions and evaluations based on their social experiences where the concept of attitudes is central to the understanding how experience gives rise to these predispositions, e.g. the role of associative processes in the formation of attitudes, functions of attitudes as global and local guides, and function of implicit evaluations and vicarious experiences in producing attitude change

MPsyc 116 – Advanced Social Cognition (credit:3 units; lecture:54 units)

This subject deals with the encoding, storage, retrieval and processing of information in the brain. Currently, social cognition is widely used across psychology and cognitive neuroscience which is used to refer to various social abilities disrupted in autism and other disorders.

MPsyc 117 – Advanced Social Psychology (credit:3 units; lecture:54 units)

This course is a scientific study of thoughts, feelings and behaviors of individuals in social situations based on the classical and contemporary theory and research in social psychology

MPsyc118 - Behavioral Modification (credit:3 units; lecture:54 hours)

This course is designed to provide students with a working knowledge of the basic principles, theoretical underpinnings, and practical techniques of behavior modification with emphasis on operant learning principles. The class will underscore the importance of evidence-based psychological treatments

MPsyc 119 – Child Psychology (credit:3 units; lecture:54 hours)

This course is a study of the psychological processes of children and specifically how these processes differ from those of adults, how they develop from birth to the end of adolescence and how they differ from one child to the next

MPsyc 120 – Adolescent Psychology (credit:3 units; lecture:54 hours)

This course is a study of the years between 12 to 18 which is a transitional stage from childhood to adulthood where physical and psychological changes occur, which is both a period of disorientation and discovery, of independence and self identity, where peer group and external appearance increase in importance

MPsyc 121 – Adult Psychology (credit:3 units; lecture:54 hours)

This subject emphasizes the relationship between the biological, psychological and behavioral factors in the development and maintenance and treatment of adult psychopathology, specializing in mood and anxiety disorders, behavioral health and women's health with emphasis in perinatal depression.

MPsyc 122 – Gestalt Psychology (credit:3 units; lecture:54 hours)

This subject is based on the theory of the mind and the brain with its operational principle that the brain is holistic, parallel and analog, with self-organizing tendencies, which maintains that the human eye sees objects in its entirety before perceiving their individual parts. Gestalt psychology tries to understand the laws of man's abilities to acquire and maintain stable percepts in a noisy world

MPsyc 123 – Neuropsychology (credit:3 units; lecture:54 hours)

This course is a study of the structure and function of the brain as they relate to specific psychological processes and behaviors. Neuropsychology aims to study, assess, understand and treat behaviors directly related to brain functioning

MPsyc 124 – Consumer Psychology (credit:3 units; lecture:54 hours)

This subject is a study of how thoughts, beliefs, feelings and perceptions influence a person to buy and relate to goods and services. Specifically, it is a study of individuals, groups or organizations and the processes they use to select, secure, use and dispose of products, services, experiences or ideas to satisfy needs and the impact that these processes have on consumer and society

MPsyc125 - Human Resource Management (credit:3 units; lecture:54 hours)

This is an advanced course in HRM and aims to provide opportunity for students to study and look deeply into the issues involved in the policy and practice of human resource management in the context of the changing world of work. Specific HRM strategies focused around entry to, maintenance of, and exit from the organization are explored both theoretically and in an applied sense in the context of a business organization.

MPsyc 126 - Marriage and Family Therapy (credit:3 units; lecture:54 hours)

This course provides an opportunity for students to become familiar with and differentiate between the major theoretical and therapeutic models assumed by contemporary theorists and practitioners of marital and family therapy.

MPsyc 127 – Advanced Educational Psychology (credit:3 units; lecture:54 hours)

This course will introduce the student to a variety of issues that affect academic performance with focus on the traditional categories of learning, identity development, motivation, discipline and assessment

MPsyc 131 – Filipino Psychology (credit: 3 units; lecture 54 hours)

This course deals with Filipino core values which are crucial to the understanding of the depth of Filipino behavior

MPsyc 132 – Cross-Cultural Psychology (credit: 3 units; lecture 54 hours)

This course is preparatory to the ASEAN Integration which is starting by December 2015. This subject will provide the students an understanding of the different cultures that will interact with each other through work in various disciplines

MPsyc 133 – Stress Management (credit: 3 units; lecture 54 hours)

This course teaches the practical way of coping with and managing stress in a stressful environment, be it related to work, family, community and society.

INTERNSHIP

MPsyc 128 – Internship (credit: 3 units)

MASTER OF SCIENCE IN PHYSICAL THERAPY (MSPT)

I. FOUNDATION SUBJECTS- ----- **-12 units**

Educ 100	Methods of Research	3
Educ 101	Statistics.....	3
MSPT 200	Applied Kinesiology.....	3
MSPT 201	Clinical Neuroscience.....	3

II. MAJOR SUBJECTS (FIELD OF CONCENTRATION) ----- **-21 units**

MSPT 202	Pharmacology.....	2
MSPT 203	Imaging and Electrodiagnosis in Physical Therapy(PT)	2
MSPT 204	.PT with Evidence Based Practicein Intergumentary Disorders..	2
MSPT 205	PT with EBP in Muscoskeletal Disorders.....	3
MSPT 206	PT with EBP in Neurological Disorders.....	3
MSPT 207	PT with EBP in Cardiopulmonary and other Rehab Conditions...	3
MSPT 208	PT with EBP in Geriatric and Pediatric Conditions.....	3
MSPT 209	PT Administration and Service Delivery.....	3

III. COGNATES- ----- **-6 units**

MSPT 210	Education in Physical Therapy.....	1.5
MSPT 211	Health Promotion and Wellness in PT and Rehabilitation.....	1.5
OD 111	Ethics and Jurisprudence in Physical Therapy.....	3

IV. MASTER'S THESIS- ----- **6 units**

SUMMARY:

Foundation Subjects.....	12
Major Subjects.....	21
Cognates.....	6
Master's Thesis.....	6

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T O T A L - - 45 units

COURSE REQUIREMENTS:

- Comprehensive Examination
- Master's Thesis

COURSE DESCRIPTION: MASTER OF SCIENCE IN PHYSICAL THERAPY

FOUNDATION SUBJECTS

Educ 100 - Methods of Research (credit: 3 units; lecture:54 hours)

The course exposes the graduate students pursuing their master course to the research process in education through the discussion through the discussion of the steps and examination of completed research reports. A requirement for submission is a research design on a approved topic.

Educ 101 - Statistics (credit:3 units; lecture:54 hours)

The course immerses the graduate students in the research processes and the statistical measures and interpretation of research data. The expected output is a research design for a master's thesis.

MSPT 200 - Advanced Kinesiology (credit:3 units; lecture: 54 hours)

This course is an in-depth study of the movements of the human body and the application of theories and principles of biomechanics to specific body regions. Involves analysis of various motor skills needed to arrive to effective Physical Therapy interventions to treat movement dysfunctions.

MSPT 201 – Clinical Neuroscience (credit:3 units; lecture:54 hours)

This course is an up-to-date examination of the nervous system, its anatomy, physiology, pathophysiology and their clinical implications. Includes neurological diseases with emphasis on movement disorders due to dysfunction of the nervous system and the mechanisms and implications of modern treatments.

MAJOR SUBJECTS(FIELD OF CONCENTRATION)

MSPT 202 - Pharmacology (credit:2 units; lecture 36 hours)

This course is a study on the underlying principles and mechanisms of pharmacology with emphasis on the therapeutic, toxic and addictive actions of drugs used in physical rehabilitation. Encompasses the physiological, anatomical and biochemical perspective for the interaction of drugs and chemicals in the human body. Current researches on drugs used in physical rehabilitation are integrated

MSPT 203 - Imaging and Electrodiagnosis in Physical Therapy (credit:2 units; lecture:36 hours)

This course is a discussion of the foundations and principles of imaging and electrodiagnostic procedures and their therapeutic and diagnostic use in physical

therapy. Use of X-ray, CT-Scan, MRI, Ultrasound, ECG, EEG, EMG-NCV in relation to physical rehabilitation and their role in differential diagnosis and PT treatment are emphasized. Case studies and current researches are incorporated.

MSPT 204 - PT with Evidence Based Practice(EBP) in Intergumentary Disorders (credit:2 units; lecture: 36 hours)

This course is study of the disorders of the Integumentary System including their pathophysiology and differential diagnosis. Emphasis is on the various PT assessment and PT interventions with emphasis on Evidence-Based Practices (EBP). Critical inquiry, clinical decision-making, and evaluation of intervention techniques are given focus. An overview of the medical and surgical interventions are also integrated.

MSPT 205 - PT with EBP in Muscoskeletal Disorders (credit:3 units; lecture:54 hours)

This course is an in-depth re-examination of the disorders involving the muscles, bones and joints including its various PT assessment procedures and PT interventions. Critical inquiry, clinical decision-making, and evaluation of intervention techniques based on evidence are given focus. Differential diagnosis of musculoskeletal disorders is also embodied in this course together with clinical imaging, electrodiagnosis, medical and surgical interventions.

MSPT 206 - PT with EBP in Neurological Disorders (credit:3 units; lecture:54 hours)

This course is an in-depth study of the different disorders affecting the nervous system from the perspective of Physical Therapy. PT assessment procedures and PT interventions used to manage these disorders are discussed with focus on evidence, critical inquiry, and clinical decision-making. Incorporated in this course is the differential diagnosis of the neurological disorders including clinical imaging, electrodiagnosis, medical and surgical interventions.

MSPT 207 - PT with EBP in Cardiopulmonary and other Rehab Conditions (credit:3 units; lecture: 54 hours)

This course is a study of various disorders affecting the Cardiovascular and Respiratory System, their pathophysiology and differential diagnosis. Emphasis is on the various PT assessment and PT interventions focusing on evidence-based PT practices, critical inquiry, and clinical decision-making. Clinical imaging, electrodiagnosis and an overview of the medical and surgical interventions are also integrated.

MSPT 208 - PT with EBP in Geriatric and Pediatric Conditions (credit:3 units; lecture:54 hours)

This course is a study of the various conditions affecting the geriatric and pediatric population from the perspective of Physical Therapy. PT assessment

procedures and PT interventions emphasizing on evidence, critical inquiry, and clinical decision-making. Incorporated in this course is the differential diagnosis of common pediatric and geriatric disorders including clinical imaging, electrodiagnosis, medical and surgical interventions.

MSPT 209 - PT Administration and Service Delivery (credit:3 units; lecture:54 hours)

This course is a study of principles of management and administration as applied in the Physical Therapy rehabilitation setting. Includes an understanding of the healthcare service delivery system, financing and reimbursement policies in the Philippines and in some countries abroad. Leadership skills, communication in Physical Therapy and professional development are also included.

COGNATES

OD 107 – Ethics and Jurisprudence in Physical Therapy (credit:3 units:lecture:54 hours)

This course is a study of ethical theories and principles involving the practice of Physical Therapy and its application in the current setting in the Philippines and some countries abroad. Includes laws, regulations and policies governing PT practice, critical analysis of common ethical dilemmas and professional issues encountered in the practice of PT. This course also encompasses the code of ethics of the Philippine Physical Therapy Association (PPTA) and the American Physical Therapy Association (APTA) as well as the Guide for Professional Conduct and Standard of Practice of PPTA and APTA.

MSPT 210 – Education in Physical Therapy (credit: 1.5 units; lecture: 27 hours)

This course is a study of teaching-learning theories and principles, strategies of instruction and evaluation of PT students both in classroom and clinical setting. Concepts to enhance and develop the mentoring skills of Physical Therapists as a professionals are all included.

MSPT 211 - Health Promotion and Wellness in Physical Therapy (credit:1.5 units; lecture:27 hours)

This course is an overview of health and wellness, with emphasis on physical exercise to promote health and well-being. Encompasses the effects of lifestyle choices on personal health including the physical, mental, emotional and social aspects. Topics related to nutrition, physical fitness, stress management, and disease prevention are also included. Basic information on the counseling process and techniques as they apply to health care settings (clinic and community) to make informed and healthful decisions to promote wellness with focus on self responsibility is also integrated.

**MASTER OF SCIENCE in DENTISTRY (MSD)
MAJOR IN ENDODONTICS**

I. FOUNDATION SUBJECTS -----6 units

Educ 100 - Methods of Research..... 3
Educ 101 - Biostatistics and Epidemiology..... 3

II. CORE SUBJECTS ----- 15 units

MSD 101 Craniofacial Anatomy and Physiology.....3
MSD 102 Cellular and Molecular Biology..... 3
MSD 103 Multidisciplinary Diagnosis and Treatment,
Planning and Practice Management.....3
MSD 104 Microbiology and Immunology in Oral Medicine.....3
MSD 105 Occlusion Temporo-Mandibular Joint Dysfunction..... 3

III. MAJOR SUBJECTS----- 15 units

ENDO 101 - Preclinical Endodontic Technique 3
ENDO 102 – Preclinical and Clinical Teaching Practicum..... 3
ENDO 103 – Pulp Biology..... 3
ENDO 104 - Concepts in Biomedical Science..... 3
ENDO 105 – Principles of Endodontic Surgery..... 3

IV. CLINICAL ENDODONTICS-----18 units

ENDO 111 Clinical Endodontics I 3
ENDO 112 Clinical Endodontics II..... 3
ENDO 113 Clinical Endodontics III..... 3
ENDO 114 Clinical Endodontics IV..... 3
ENDO 115 Clinical Endodontics V..... 3
ENDO 116 Clinical Endodontics VI..... 3

V. MASTER’S THESIS-----6 units

SUMMARY:

Foundation Subjects..... 6
Core Subjects.....15
Major Subjects.....15
Clinical Endodontics..... 18
Master’s Thesis..... 6

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T O T A L - - 60 units

COURSE REQUIREMENTS:

Comprehensive Examination
Master’s Thesis

COURSE DESCRIPTION: MASTER OF SCIENCE IN DENTISTRY MAJOR IN ENDODONTICS

FOUNDATION SUBJECTS

Educ 100 – Methods of Research (credit:3 units; lecture:54 hours(3 hours/week x 18 weeks)

This course is to expose graduate students to the research process in dentistry through the discussion of the steps and examination of completed research reports. A requirement for submission is a research design on an approved topic

Educ 101 – Biostatistics and Epidemiology (credit:3 units; lecture:54 hours)

This course is about statistics that deals with the collection, organization, presentation, analysis and interpretation of biological information that can be stated numerically. This course uses statistical methods to summarize the data and statistical procedures to reach certain conclusions that can be applied to the field of dentistry. Practical emphasis is given to study design and the interpretation of results in the field of dentistry

CORE SUBJECTS

MSD 101 Craniofacial Anatomy and Physiology (credit:3 units; lecture:54 hours)

This course demonstrates the gross structure and function of the head and neck including its neural pathways to and from the central nervous system.

MSD 102 Cellular and Molecular Biology (credit:3 units; lecture: 54 hours)

This course is about molecular biology that concerns itself with the understanding of the interactions between the various systems of a cell, including interactions between DNA, RNA and protein biosynthesis as well as learning how these interactions are regulated.

MSD 103 Multidisciplinary Diagnosis, Treatment Planning and Practice Management (credit:3 units; lecture: 54 hours)

This course about how to conduct multidisciplinary diagnosis, treatment planning and dental practice management

MSD 104 Microbiology and Immunology in Oral Medicine (credit:3 units; lecture: 54 hours)

This course on microbiology and immunology covers all aspects of the interrelationship between infectious agents and their hosts. Among the major topics covered are microbial and viral pathogenesis and the immunological host response to infections.

MSD 105 Occlusion Temporo-Mandibular Joint Dysfunction (credit:3 units; lecture: 54 hours)

This course provides a basic understanding of occlusion and the physiology of the stomatognathic system. It includes the etiology, diagnosis and treatment of temporo-mandibular disorders. Differential diagnosis and treatment for patients with temporo-mandibular disorders are covered didactically and clinically.

MAJOR SUBJECTS

ENDO 101 - Preclinical Endodontic Technique (credit:3 units; lecture:54 hours)

This course is a didactic and laboratory introduction to basic endodontic clinical principles and techniques. A format to experience alternate clinical treatment methods.

ENDO 102 - Preclinical and Clinical Teaching Practicum (credit:3 units; lecture:54 hours)

This course is on supervised teaching participation in the instruction of graduate dental students in the preclinical and clinical endodontic technique course.

ENDO 103 - Pulp Biology (credit:3 units; lecture:54 hours)

This course is on normal and diseased pulp conditions and their relationship to periapical tissues. Emphasis is placed on pulpal neural and vascular supply; pulpal defense mechanisms; injury, aging, and retrogressive changes; healing and repair of periapical tissues; and histopathology of periapical lesions.

ENDO 104 - Concepts in Biomedical Science (credit:3 units; lecture:54 hours)

This is a lecture/discussion series designed to integrate the graduate student's didactic and clinical experiences in the specialty area with other dental and medical specialty subjects.

ENDO 105 - Principles of Endodontic Surgery (credit:3 units; lecture:54 hours)

This course is a comprehensive consideration of endodontic surgery is presented. Instruction and training in the application of relevant biomedical science to meet surgical and clinical requirements is emphasized.

CLINICAL DENTAL SURGERY

ENDO 111 Clinical Endodontics I (credit:3 units; clinical endodontics:27 hours)

ENDO 112 Clinical Endodontics II (credit:3 units; clinical endodontics:27 hours)

ENDO 113 Clinical Endodontics III (credit:3 units; clinical endodontics: 27 hours)

ENDO 114 Clinical Endodontics IV (credit:3 units; clinical endodontics: 27 hours)

ENDO 115 Clinical Endodontics V (credit:3 units; clinical endodontics: 27 hours)

ENDO 116 Clinical Endodontics VI (credit:3 units: clinical endodontics: 27 hours)

**MASTER OF SCIENCE in DENTISTRY (MSD)
MAJOR IN DENTAL SURGERY**

I. FOUNDATION SUBJECTS -----6 units

Educ 100 - Methods of Research.....	3
Educ 101 - Biostatistics and Epidemiology.....	3

II. CORE SUBJECTS -----15 units

MSD 101 Craniofacial Anatomy and Physiology.....	3
MSD 102 Cellular and Molecular Biology.....	3
MSD 103 Multidisciplinary Diagnosis and Treatment.. Planning and Practice Management.....	3
MSD 104 Microbiology and Immunology in Oral Medicine.....	3
MSD 105 Occlusion Temporo-Mandibular Joint Dysfunction.....	3

III. MAJOR SUBJECTS ----- 15 units

DS 101 – Principles of Dental Surgery.....	3
DS 102 – Conscious Sedation	3
DS 103 - Graduate and Advanced Dental Surgery.....	3
DS 104 – Systemic Interrelationships.....	3
DS 105 – Dental Surgery Interrelationships	3

IV. CLINICAL DENTAL SURGERY ----- 18 units

DS 111 Clinical Dental Surgery I	3
DS 112 Clinical Dental Surgery II.....	3
DS 113 Clinical Dental Surgery III.....	3
DS 114 Clinical Dental Surgery IV.....	3
DS 115 Clinical Dental Surgery V.....	3
DS 116 Clinical Dental Surgery VI.....	3

V. MASTER’S THESIS -----6 units

SUMMARY:

Foundation Subjects.....	6
Core Subjects.....	15
Major Subjects.....	15
Clinical Dental Surgery.....	18
Master’s Thesis.....	6

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T O T A L - - 60 units

COURSE REQUIREMENTS:

- Comprehensive Examination
- Master’s Thesis

COURSE DESCRIPTION: MASTER OF SCIENCE IN DENTISTRY MAJOR IN DENTAL SURGERY

FOUNDATION SUBJECTS

Educ 100 – Methods of Research (credit:3 units; lecture:54 hours(3 hours/week x 18 weeks)

This course is to expose graduate students to the research process in dentistry through the discussion of the steps and examination of completed research reports. A requirement for submission is a research design on an approved topic

Educ 101 – Biostatistics and Epidemiology (credit:3 units; lecture:54 hours)

This course is about statistics that deals with the collection, organization, presentation, analysis and interpretation of biological information that can be stated numerically. This course uses statistical methods to summarize the data and statistical procedures to reach certain conclusions that can be applied to the field of dentistry. Practical emphasis is given to study design and the interpretation of results in the field of dentistry

CORE SUBJECTS

MSD 101 Craniofacial Anatomy and Physiology (credit:3 units; lecture:54 hours)

This course demonstrates the gross structure and function of the head and neck including its neural pathways to and from the central nervous system.

MSD 102 Cellular and Molecular Biology (credit:3 units; lecture: 54 hours)

This course is about molecular biology that concerns itself with the understanding of the interactions between the various systems of a cell, including interactions between DNA, RNA and protein biosynthesis as well as learning how these interactions are regulated.

MSD 103 Multidisciplinary Diagnosis, Treatment Planning and Practice Management (credit:3 units; lecture: 54 hours)

This course about how to conduct multidisciplinary diagnosis, treatment planning and dental practice management

MSD 104 Microbiology and Immunology in Oral Medicine (credit:3 units; lecture: 54 hours)

This course on microbiology and immunology covers all aspects of the interrelationship between infectious agents and their hosts. Among the major topics covered are microbial and viral pathogenesis and the immunological host response to infections.

MSD 105 Occlusion Temporo-Mandibular Joint Dysfunction (credit:3 units; lecture: 54 hours)

This course provides a basic understanding of occlusion and the physiology of the stomatognathic system. It includes the etiology, diagnosis and treatment of temporo-mandibular disorders. Differential diagnosis and treatment for patients with temporo-mandibular disorders are covered didactically and clinically.

MAJOR SUBJECTS

DS 101 - Principles of Dental Surgery (credit:3 units; lecture:54 hours)

This course is an overview of critical didactic and clinical information in the field of dental to the incoming dental surgery resident.

DS 102 - Conscious Sedation (credit:3 units; lecture:54 hours)

This course is designed to provide knowledge required to manage pain and anxiety in the conscious, sedated patient and training in the various sedation techniques.

DS 103 - Graduate and Advanced Dental Surgery (credit:3 units; lecture:54 hours)

Part I is a comprehensive course to prepare knowledge necessary for clinical dental surgery treatment; all phases of surgical and prosthetic treatment are discussed.

Part II is a comprehensive overview of dental surgery, with emphasis on surgical methods and techniques.

DS 104 - Systemic Interrelationships (credit:3 units; lecture:54 hours)

This course explores the complex interaction between oral and systemic health. Evidence shows that a number of human diseases are associated with opportunistic infections in dental medicine. These diseases are discussed together with the oral manifestations and management.

DS 105 - Dental Surgery Interrelationships (credit:3 units; lecture:54 hours)

Designed to explore the interrelationships between the disciplines in dental surgery. In-depth discussion of special topics to improve patient treatment of interdisciplinary problems in clinical practice.

CLINICAL DENTAL SURGERY

DS 111 Clinical Dental Surgery I (credit:3 units; clinical dental surgery:27 hours)

DS 112 Clinical Dental Surgery II (credit:3 units; clinical dental surgery:27 hours)

DS 113 Clinical Dental Surgery III (credit:3 units; clinical dental surgery: 27 hours)

DS 114 Clinical Dental Surgery IV (credit:3 units; clinical dental surgery: 27 hours)

DS 115 Clinical Dental Surgery V (credit:3 units; clinical dental surgery: 27 hours)

DS 116 Clinical Dental Surgery VI (credit:3 units: clinical dental surgery: 27 hours)

**MASTER OF SCIENCE in DENTISTRY (MSD)
MAJOR IN ORTHODONTICS**

I. FOUNDATION SUBJECTS ----- -6 units

Educ 100	Methods of Research.....	3
Educ 101	Biostatistics and Epidemiology.....	3

II. CORE SUBJECTS ----- - 15 units

MSD 101	Craniofacial Anatomy and Physiology.....	3
MSD 102	Cellular and Molecular Biology.....	3
MSD 103	Multidisciplinary Diagnosis and Treatment.. Planning and Practice Management.....	3
MSD 104	Microbiology and Immunology in Oral Medicine.....	3
MSD 105	Occlusion Temporo-Mandibular Joint Dysfunction.....	3

III. MAJOR SUBJECTS----- - 15 units

ORT 106	Growth and Development of Face and Dentition.....	3
ORT 107	Diagnosis and Treatment Planning	3
ORT 108	Orthodontics Theories, Principles and Techniques	3
ORT 109	Biomechanics in Orthodontics.....	3
ORT 110	Surgical Orthodontics-Diagnosis and Treatment Planning	3

IV. CLINICAL ORTHODONTICS ----- - 18 units

ORT 111	Clinical Orthodontics I	3
ORT 112	Clinical Orthodontics II.....	3
ORT 113	Clinical Orthodontics III.....	3
ORT 114	Clinical Orthodontics IV.....	3
ORT 115	Clinical Orthodontics V.....	3
ORT 116	Clinical Orthodontics VI.....	3

V.MASTER’S THESIS----- 6 units

SUMMARY:

Foundation Subjects.....	6
Core Subjects.....	15
Major Subjects.....	15
Clinical Orthodontics.....	18
Master’s Thesis.....	6

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T O T A L - - 60 units

COURSE REQUIREMENTS:

- Comprehensive Examination
- Master’s Thesis

COURSE DESCRIPTION: MASTER OF SCIENCE IN DENTISTRY MAJOR IN ORTHODONTICS

FOUNDATION SUBJECTS

Educ 100 – Methods of Research (credit:3 units; lecture:54 hours(3 hours/week x 18 weeks)

This course is to expose graduate students to the research process in dentistry through the discussion of the steps and examination of completed research reports. A requirement for submission is a research design on an approved topic

Educ 101 – Biostatistics and Epidemiology (credit:3 units; lecture:54 hours)

This course is about statistics that deals with the collection, organization, presentation, analysis and interpretation of biological information that can be stated numerically. This course uses statistical methods to summarize the data and statistical procedures to reach certain conclusions that can be applied to the field of dentistry. Practical emphasis is given to study design and the interpretation of results in the field of dentistry

CORE SUBJECTS

MSD 101 Craniofacial Anatomy and Physiology (credit:3 units; lecture:54 hours)

This course demonstrates the gross structure and function of the head and neck including its neural pathways to and from the central nervous system.

MSD 102 Cellular and Molecular Biology (credit:3 units; lecture: 54 hours)

This course is about molecular biology that concerns itself with the understanding of the interactions between the various systems of a cell, including interactions between DNA, RNA and protein biosynthesis as well as learning how these interactions are regulated.

MSD 103 Multidisciplinary Diagnosis, Treatment Planning and Practice Management (credit:3 units; lecture: 54 hours)

This course about how to conduct multidisciplinary diagnosis, treatment planning and dental practice management

MSD 104 Microbiology and Immunology in Oral Medicine (credit:3 units; lecture: 54 hours)

This course on microbiology and immunology covers all aspects of the interrelationship between infectious agents and their hosts. Among the major topics covered are microbial and viral pathogenesis and the immunological host response to infections.

MSD 105 Occlusion Temporo-Mandibular Joint Dysfunction (credit:3 units; lecture: 54 hours)

This course provides a basic understanding of occlusion and the physiology of the stomatognathic system. It includes the etiology, diagnosis and treatment of temporo-mandibular disorders. Differential diagnosis and treatment for patients with temporo-mandibular disorders are covered didactically and clinically.

MAJOR SUBJECTS

ORT 106 Growth and Development of Face and Dentition (credit:3 units; lecture: 54 hours)

This course deals with the mechanisms, principles and regulations of human craniofacial complex and the factors influencing pre-natal and post-natal physical growth and development. Methods for evaluating dental, skeletal and other determinants of physiologic age will be integrated with the assessment of growth changes from serial cephalograms and handwrist radiographs.

ORT 107 Diagnosis and Treatment Planning (credit:3 units; lecture: 54 hours)

This course has two parts, where the first part is a lecture, laboratory and seminar covering the nature, classification, development and analyses of the various types of malocclusion. Assessment of orthodontic records and treatment planning of developing malocclusions as well as comprehensive orthodontic problems are learned.

The second part consists of lecture and laboratory activities to make the graduate student proficient in the assessment of complex craniofacial problems involving multidisciplinary specialties and are able to formulate rational treatment plans. Occlusion is discussed as it relates to orthodontic diagnosis, prognosis, finishing and retention.

ORT 108 Orthodontics Theories, Principles and Techniques (credit:3 units; lecture: 54 hours)

This course is a didactic and laboratory introduction to basic clinical principles and techniques. Initially, instruction covers the policies and procedures of the orthodontic clinic and later, the development of a patient diagnostic data base including study casts, photographs, cephalograms, and clinical evaluation of the patient. This segment is a concentrated, didactic course that addresses in some depth the procedures of diagnosis, treatment planning, and application of clinical therapy toward the solutions of orthodontic problems in patients of various and dental development. This course includes typodont setup in normal occlusion before banding; philosophy of treatment;

and a coordination of lectures and seminars with laboratory demonstration on archwire fabrication and reasons for each bend. This segment of the course includes treatment of non-extraction case and treatment of bimaxillary-protrusion case, requiring removal of permanent teeth.

ORT 109 Biomechanics in Orthodontics (credit:3 units; lecture: 54 hours)

This course introduces the concepts of orthodontic displacement and force, kinematics and biomechanics of tooth movement. Special emphasis is placed on relevant aspects of biomaterial science, principles of mechanics applied to the analysis of force delivery systems, and the biologic response of tissues to applied forces. Mechanotherapy in various orthodontic techniques and critical evaluation of new concepts and materials are included. This course also focuses on the responses to tooth movement that may occur in the tissue, cell and macromolecular levels of organization. In particular, the physiology of mineralized connective tissue and the process of tooth eruption are used as models to explore the biology of orthodontic tooth movement. Biological, mechanical and engineering principles applicable to orthodontic appliances are discussed in this course.

ORT 110 - Surgical Orthodontics-Diagnosis and Treatment Planning (credit:3 units; lecture:54 hours)

This course acquaints the graduate student with those surgical procedures that directly relate to orthodontic treatment plans. The lecture series encompasses a review of diagnostic procedures, surgical techniques for the treatment of maxillary and/or mandibular skeletal excess and deficiency as well as laterognathism, Class II malocclusion and adjunctive techniques of genioplasty for correction of microgenia and macrogenia. In addition to surgical consideration of jaw deformities, time is allocated for miscellaneous pathological conditions.

CLINICAL ORTHODONTICS

ORT 111 Clinical Orthodontics I (credit:3 units; clinical orthodontics:27 hours)

ORT 112 Clinical Orthodontics II (credit:3 units; clinical orthodontics:27 hours)

ORT 113 Clinical Orthodontics III (credit:3 units; clinical orthodontics: 27 hours)

ORT 114 Clinical Orthodontics IV (credit:3 units; clinical orthodontics: 27 hours)

ORT 115 Clinical Orthodontics V (credit:3 units; clinical orthodontics: 27 hours)

ORT 116 Clinical Orthodontics VI (credit:3 units: clinical orthodontics: 27 hours)

**MASTER OF SCIENCE in DENTISTRY (MSD)
MAJOR IN PERIODONTICS WITH IMPLANT DENTISTRY**

I. FOUNDATION SUBJECTS ----- **6 units**

Educ 100 - Methods of Research.....	3
Educ 101 - Biostatistics and Epidemiology.....	3

II. CORE SUBJECTS ----- **15 units**

MSD 101 Craniofacial Anatomy and Physiology.....	3
MSD 102 Cellular and Molecular Biology.....	3
MSD 103 Multidisciplinary Diagnosis and Treatment.. Planning and Practice Management.....	3
MSD 104 Microbiology and Immunology in Oral Medicine.....	3
MSD 105 Occlusion Temporo-Mandibular Joint Dysfunction.....	3

III. MAJOR SUBJECTS ----- **15 units**

PER 101 – Principles of Periodontics	3
PER 102 - Conscious Sedation.....	3
PER 103 – Graduate and Advanced Implant Surgery.....	3
PER 104 – Periodontal Systemic Interrelationships.....	3
PER 105 - Orthodontic-Periodontic Interrelationships	3

IV. CLINICAL PERIODONTICS WITH IMPLANT DENTISTRY ----- **18 units**

Clinical Periodontics with Implant Dentistry I	3
Clinical Periodontics with Implant Dentistry II	3
Clinical Periodontics with Implant Dentistry III	3
Clinical Periodontics with Implant Dentistry IV	3
Clinical Periodontics with Implant Dentistry V	3
Clinical Periodontics with Implant Dentistry VI	3

V. MASTER'S THESIS ----- **6 units**

SUMMARY:

Foundation Subjects.....	6
Core Subjects.....	15
Major Subjects.....	15
Clinical Periodontics.....	18
Master's Thesis.....	6

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T O T A L - - 60 units

COURSE REQUIREMENTS:

- Comprehensive Examination
- Master's Thesis

COURSE DESCRIPTION: MASTER OF SCIENCE IN DENTISTRY MAJOR IN PERIODONTICS WITH IMPLANT DENTISTRY

FOUNDATION SUBJECTS

Educ 100 – Methods of Research (credit:3 units; lecture:54 hours(3 hours/week x 18 weeks)

This course is to expose graduate students to the research process in dentistry through the discussion of the steps and examination of completed research reports. A requirement for submission is a research design on an approved topic

Educ 101 – Biostatistics and Epidemiology (credit:3 units; lecture:54 hours)

This course is about statistics deals with the collection, organization, presentation, analysis and interpretation of biological information that can be stated numerically. This course uses statistical methods to summarize the data and statistical procedures to reach certain conclusions that can be applied to the field of dentistry. Practical emphasis is given to study design and the interpretation of results in the field of dentistry

CORE SUBJECTS

MSD 101 Craniofacial Anatomy and Physiology (credit:3 units; lecture:54 hours)

This course demonstrates the gross structure and function of the head and neck including its neural pathways to and from the central nervous system.

MSD 102 Cellular and Molecular Biology (credit:3 units; lecture: 54 hours)

This course is about molecular biology that concerns itself with the understanding of the interactions between the various systems of a cell, including interactions between DNA, RNA and protein biosynthesis as well as learning how these interactions are regulated.

MSD 103 Multidisciplinary Diagnosis, Treatment Planning and Practice Management (credit:3 units; lecture: 54 hours)

This course about how to conduct multidisciplinary diagnosis, treatment planning and dental practice management

MSD 104 Microbiology and Immunology in Oral Medicine (credit:3 units; lecture: 54 hours)

This course on microbiology and immunology covers all aspects of the interrelationship between infectious agents and their hosts. Among the major topics covered are microbial and viral pathogenesis and the immunological host response to infections.

MSD 105 Occlusion Temporo-Mandibular Joint Dysfunction (credit:3 units; lecture: 54 hours)

This course provides a basic understanding of occlusion and the physiology of the stomatognathic system. It includes the etiology, diagnosis and treatment of temporo-mandibular disorders. Differential diagnosis and treatment for patients with temporo-mandibular disorders are covered didactically and clinically.

MAJOR SUBJECTS

PER 101 - Principles of Periodontics (credit:3 units; lecture:54 hours)

This course is an overview of critical didactic and clinical information in the field of periodontology to the incoming periodontal resident.

PER 102 - Conscious Sedation (credit:3 units; lecture:54 hours)

This course is designed to provide knowledge required to manage pain and anxiety in the conscious, sedated patient and training in the various sedation techniques

PER 103 - Graduate and Advanced Implant Dentistry (credit:3 units; lecture:54 hours)

Part I is a comprehensive course to prepare knowledge necessary for clinical dental implant treatment; all phases of surgical and prosthetic treatment are discussed.

Part II is a comprehensive overview of implant dentistry, with an emphasis on surgical methods and techniques. Special topics are presented and current literature is reviewed.

PER 104 - Periodontal Systemic Interrelationships (credit:3 units; lecture:54 hours)

This course explores the complex interaction between oral and systemic health. Evidence shows that a number of human diseases are associated with opportunistic infections in periodontal medicine. These diseases are discussed together with the oral manifestations and management.

PER 105 - Orthodontic-Periodontic Interrelationships (credit:3 units; lecture:54 hours)

This course is designed to explore the interrelationships between the disciplines of orthodontics and periodontics. In-depth discussion of special topics to improve patient treatment of interdisciplinary problems in clinical practice.

CLINICAL PERIODONTICS WITH IMPLANT DENTISTRY

Clinical Periodontics with Implant Dentistry I (credit:3 units; clinical pwid:27 hours)

Clinical Periodontics with Implant Dentistry II (credit:3 units; clinical pwid:27 hours)

Clinical Periodontics with Implant Dentistry III (credit:3 units; clinical pwid:27 hours)

Clinical Periodontics with Implant Dentistry IV (credit:3 units; clinical pwid:27 hours)

Clinical Periodontics with Implant Dentistry V (credit:3 units; clinical pwid:27 hours)

Clinical Periodontics with Implant Dentistry VI (credit:3 units; clinical pwid:27 hours)

MASTER OF SCIENCE in MEDICAL TECHNOLOGY (MSMT)

I. FOUNDATION SUBJECTS ----- -6 units

Educ 100 - Methods of Research..... 3
Educ 101 - Statistics and Epidemiology..... 3

II. MAJOR SUBJECTS ----- - 24 units

MSMT 100 – Advanced Biochemistry 3
MSMT 101 – Advanced Hematology..... 3
MSMT102 - Advanced Medical Microbiology..... 3
MSMT 103 – Advanced Medical Parasitology3
MSMT 104 - Advanced Immunohematology/Blood Banking 3
MSMT 105 - Advanced Immunology and Serology 3
MSMT 106 - Advanced Histopathologic and CytologicTechniques ...3
MSMT 107 –Advanced Clinical Chemistry.....3

III. COGNATES ----- -9 units

MSMT 110 – Laboratory Management/Ethical and Legal Issues 3
MSMT 111 - Computer and Informatics..... 3
MSMT 112 – Seminar – Contemporary Issues and Concerns..... 3

IV. MASTER’S THESIS ----- -6 units

SUMMARY:

Foundation Subjects..... 6
Major Subjects..... 24
Cognates..... 9
Master’s Thesis..... 6

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T O T A L - - 45 units

COURSE REQUIREMENTS:

Comprehensive Examination
Master’s Thesis

COURSE DESCRIPTION: MASTER OF SCIENCE IN MEDICAL TECHNOLOGY

FOUNDATION SUBJECTS

Educ 100 – Methods of Research (credit:3 units; lecture:54 hours(3 hours/week x 18 weeks)

This course is to expose graduate students to the research process in medical technology through the discussion of the steps and examination of completed research reports. A requirement for submission is a research design on an approved topic

Educ 101 – Statistics and Epidemiology (credit:3 units; lecture:54 hours)

This course is about statistics that deals with the collection, organization, presentation, analysis and interpretation of biological information that can be stated numerically. This course uses statistical methods to summarize the data and statistical procedures to reach certain conclusions that can be applied to the field of medical technology. Practical emphasis is given to study design and the interpretation of results in the field of psychology

MAJOR SUBJECTS

MSMT 100 - Advanced Biochemistry (credit:3 units; lecture:54 hours)

This course covers in detail the molecular basis of life, which includes the chemistry of biomolecules, structure function relationship, transformation of matter and energy, storage of genetic information, accession and manipulation. The course provides the basic concepts in biochemistry and how these concepts can be applied in the biological sciences, health and medicine, agriculture, food and related industries.

MSMT 101 - Advanced Hematology (credit:3 units; lecture:54 hours)

This course is an in-depth study of the laboratory diagnosis and treatment of the common disorders of red blood cells, white blood cells and hemostasis. Each disease state will be discussed in terms of underlying pathophysiology, clinical features. the use of state-of-art laboratory tests in the diagnosis and differential diagnosis of the conditions and the current management.

MSMT 102 - Advanced Medical Microbiology (credit:3 units; lecture:54 hours)

This course is a study of all types of agents associated with infectious disease (bacteria, rickettsiae and other significant atypical bacteria, virus and fungi) syndromes and procedures for the detection, identification and susceptibility testing of etiologic agents. Emphases are given to new technology, new bacterial agents of infectious diseases, and the evolving interest in public health and preventive medicine.

MSMT 103 - Advanced Medical Parasitology (credit:3 units; lecture:54 hours)

This is a competency-oriented course which emphasizes both the biological and medical aspects of parasites of medical importance.

MSMT 104 - Advanced Immunohematology/Blood Banking (credit:3 units; lecture:54 hours)

This course is a study of recent advances in blood banking theory, technical practice considerations and regulatory guidelines. Certain clinical situations will be discussed in detail including transfusion reactions and transfusion-transmitted infections.

MSMT 105 - Advanced Immunology and Serology(credit:3 units; lecture:54 hours)

This course is a study of current and state-of-art serologic methods in the diagnosis of bacterial, parasitologic, viral and mycological diseases as well as autoimmune and oncologic disorders. It is also a study that approaches the conceptual and technical advances in immunologic principles and techniques which can be applied to microbial infections, hypersensitivity, organ transplantation, autoimmune diseases and immunodeficiency disorders.

MSMT 106 - Advanced Histopathologic and Cytologic Techniques (credit:3 units; lecture: 54 hours)

This course is an in-depth study of the current methods of specimen collection, preparation, staining, and microscopic examination of tissues and cells. It also includes study of basic disease process and correlation of cellular and tissue pathology.

MSMT 107 Advanced Clinical Chemistry (credit:3 units; lecture and laboratory 108 hours)

Part I – This course deals with the quantitative measurement of biochemical substances found in body fluids(blood) and concepts of metabolism and the quality laboratory analysis of these substances.

Part II – This course deals with advanced study of functions of organs (liver and heart) by measuring particular analytes, and also study clinically significant enzymes, electrolytes, acid-base balance, blood gas parameters and tumor markers and their clinical significance and the quality analysis of these substances. The study then involves Endocrinology, Toxicology and Drug Testing. Endocrinology is about products of a group of structurally and functionally specialized glands and their action in maintaining the clinical integrity of cell environment, while Toxicology is the advanced study of substances introduced exogenously into the body and is apportioned into the areas of detection of drugs of abuse, environmental carcinogens and toxins and monitoring levels of therapeutic drugs, including drug testing centers its local legal and technical mandates, where quality assurance and laboratory safety are emphasized.

COGNATES

MSMT 110 – Laboratory Management/Ethical and Legal Issues (credit:3 units; lecture and laboratory: 108 hours)

Part I - Laboratory Management (Theory and Practice) – This is a study of principles of administration, organization and management with emphasis on the operation of a clinical laboratory. It also includes discussion of problems in laboratory management including the legal and financial aspects of clinical laboratory operations.

Part II - This course discusses the different ethical issues in the field of medical technology. The course provides basic principles of ethics in health and medical technology, morals, and ethical decision-making. It also includes laws relevant to the practice of medical technology.

MSMT 111 – Computer and Informatics (credit:3 units; lecture: 54 hours)

This course is designed to provide graduate students adequate basic knowledge in computer as well as hands-on training in the fundamental skills in computer operations and applications.

MSMT 112 – Seminar-Contemporary Issues and Concerns (credit: 3 units)

This seminar pertains to contemporary issues and concerns in the profession of medical technology. The graduate student will have the opportunity to ask relevant questions, get the answers and interact with experts in their field of specialization.

MASTER OF SCIENCE IN PHARMACY (MSPh)

I. FOUNDATION SUBJECTS ----- 6 units

Educ 100	Methods of Research.....	3
Educ 101	Statistics and Epidemiology.....	3

II. MAJOR SUBJECTS ----- 24 units

MSPh 100	.Advanced Pharmaceutical Chemistry.....	3
MSPh 101	Advanced Biochemistry.....	3
MSPh 102	Advanced Pharmacology and Toxicology.....	3
MSPh 103	Modern Techniques in Pharmaceutical Chemistry.....	3
MSPh 104	New Product Development and Formulation.....	3
MSPh 105	Concepts of Clinical Pharmacy.....	3
MSPh 106	Antibiotics.....	3
MSPh 107	Advanced Phytochemistry.....	3

III. COGNATES ----- -9 units

MSPh 110	Ethical and Legal Issues.....	3
MSPh 111	Computer and Informatics.....	3
MSPh 112	Seminar – Contemporary Issues and Concerns.....	3

IV. MASTER'S THESIS ----- -6 units

SUMMARY:

Foundation Subjects.....	6
Major Subjects.....	24
Cognates.....	9
Master's Thesis.....	6

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T O T A L - - 45 units

COURSE REQUIREMENTS:

Comprehensive Examination
Master's Thesis

COURSE DESCRIPTION: MASTER OF SCIENCE IN PHARMACY

FOUNDATION SUBJECTS

Educ 100 – Methods of Research (credit:3 units; lecture:54 hours)

This course exposes the graduate students pursuing their master course to the research process in education through discussion of the steps and examination of completed research reports. A requirement for submission is a research design on approved topic

Educ 101 – Statistics and Epidemiology (credit:3 units; lecture:54 hours)

This course is about statistics that deals with the collection, organization, presentation, analysis and interpretation of biological information that can be stated numerically. This course uses statistical methods to summarize the data and statistical procedures to reach certain conclusions that can be applied to pharmaceutical research. Practical emphasis is given to study design and the interpretation of results of pharmaceutical research

MAJOR SUBJECTS

MSPh 100 - Advanced Pharmaceutical Chemistry (credit:3 units; lecture:54 hours)

This course is on chemical characterization of naturally occurring and synthetic medicinal compounds, structurism, properties, synthesis, reactions and the correlation between chemical structure and biological activity.

MSPh 101 - Advanced Biochemistry (credit:3 units); lecture:54 hours)

This course covers in detail the molecular basis of life, which includes the chemistry of biomolecules, structure function relationship, transformation of matter and energy, storage of genetic information, accession and manipulation. The course provides the basic concepts in biochemistry and how these concepts can be applied in the biological sciences, health and medicine, agriculture, food and related industries.

MSPh 102 - Advanced Pharmacology and Toxicology (credit:3 units; lecture:54 hours)

The course prepares the graduate students to have a clear understanding and in-depth consideration of the principles, concepts and molecular mechanism to toxicity. The current statues of toxicologic principles concerned with public health, drugs, food technology, veterinary medicine and agricultures will be examined. The course embraces the knowledge of the physicchemical properties of the toxic agents and toxins, their physiological and biological effects, toxicokinetic/toxicodynamics, safety and hazards of their uses and management of poisoning.

MSPh 103 - Modern Techniques in Pharmaceutical Chemistry (credit:3 units; lecture:54 hours)

This course is a rigorous treatment of spectrophotometric, electrometric, chromatographic techniques and other methods of physico-chemical treatment.

MSPh 104 - New Product Development and Formulation I (credit:3 units; lecture:54 hours)

This course is focused on the practical application of principles, regulations and methods in the development of new products with special emphasis on plant products. It traces the flow of activities from the quality control of active ingredients, preformulation, pharmacologic studies (preclinical) formulation and production phase and clinical studies (phase I to III) to post-marketing. Regulatory issues are also presented.

MSPh 105 - Concepts on Clinical Pharmacy (credit:3 units; lecture:54 hours)

This course is about patient-oriented pharmacy practice; drug-use, history, medication profile, unit-dose drug distribution, drug-use information and consultation.

MSPh 106 – Antibiotics (credit:3 units; lecture:54 hours)

This course is a discussion of the natural source of antibiotics, their isolation, industrial production, pharmaceutical preparations and medicinal and industrial uses. Concepts involving the proper use of antibiotics.

MSPh 107 - Advanced Phytochemistry (credit:3 units; lecture:54 hours)

This course is a rigorous study of plant constituents, their structural features which form the basis of their medicinal and pharmaceutical uses, their isolation, purification and identification. It also includes a survey of biochemical processes which are of special interest in understanding metabolic processes in plants.

COGNATES

MSPh 110 – Ethical and Legal Issues (credit:3 units; lecture:54 hours)

This course discusses the different ethical issues in the field of pharmacy. The course provides basic principles of ethics in health and pharmacy, morals and ethical decision-making of pharmacists. It also includes laws relevant to the practice of pharmacy.

MSPh 111 – Computer and Informatics (credit:3 units; lecture: 54 hours)

This course is designed to provide graduate students adequate basic knowledge in computer as well as hands-on training in the fundamental skills in computer operations and applications.

MSPh 112 – Seminar-Contemporary Issues and Concerns (credit: 3 units)

This seminar pertains to contemporary issues and concerns in the profession of pharmacy. The graduate student will have the opportunity to ask relevant questions, get the answers and interact with experts in their field of specialization.