



## **BACHELOR OF SCIENCE IN PHYSICAL THERAPY**

### **Program Description**

The Bachelor of Science in Physical Therapy is a four-year degree program consisting of general education and professional courses and also includes an internship program that involves assigning students to different CHED –accredited affiliation centers. It aims to develop students to become movement experts in bridging disability into functionality and to produce competent global leaders and professionals who are experts in rehabilitation therapy and patient management.

### **Program Outcomes**

1. Apply knowledge of physical sciences, social sciences, health sciences and natural sciences to the practice of physical therapy.
2. Demonstrate consistent competence in conducting a comprehensive examination, evaluation, and assessment of patients/clients across the lifespan within a broad continuum of care.
3. Demonstrate consistent competence in planning and implementing appropriate physical therapy interventions for patients/clients across the lifespan within a broad continuum of care.
4. Apply teaching-learning principles in different learning environments.
5. Practice beginning management and leadership skills in various practice settings.
6. Demonstrate research-related skills in the application of best practice evidence in the performance of various roles in different practice settings.
7. Promote health and improved quality of life through the practice of the profession.
8. Actively engage in lifelong learning activities.
9. Work effectively in an inter-professional collaborative setting.
10. Demonstrate proficiency in oral and written communication skills as well as reading and listening.
11. Demonstrate social and professional responsibility and ethical behaviors in multi-cultural settings and scenarios.
12. Maximize the use of innovative technology in the practice of the profession.



**BACHELOR OF SCIENCE IN PHYSICAL THERAPY**

**FIRST YEAR**

		No. of hrs.		RLE		Total Units	Pre-requisites	Co-requisites
		Lec	Lab	SL	C			
GEDCORE01	Understanding the Self	3	0	0	0	3		
GEDCORE04	Mathematics in the Modern World	3	0	0	0	3		
NSTPCWTS1	National Service Training Program CWTS-1	3	0	0	0	3		
GEDCORE07	Ethics	3	0	0	0	3		
RCICALL01	Computer Aided Language Learning Program 1	0	1	0	0	1		
TEALEARN1	Teaching and Learning 1: How People Learn	2	0	0	0	2		
ANATOMY01	Anatomy of the Limb, Back and Spine	3	1	0	0	4		
PHYSIOL01	Cell Physiology, Nerve & Muscle	1	1	0	0	2		
BASICLIS1	Basic Clinical Skills 1	2	1	0	0	3		
<b>Total</b>		<b>20</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>24</b>		

**Second Semester**

		No. of hrs.		RLE		Total Units	Pre-requisites	Co-requisites
		Lec	Lab	SL	C			
GEDCORE02	Readings in Philippine History	3	0	0	0	3		
GEDCORE06	Science, Technology and Society	3	0	0	0	3		
PHYSEDUC1	Physical Education 1	2	0	0	0	2		
RCICALL02	Computer Aided Language Learning Program 2	0	1	0	0	1		
RCPHYSICS	Physics	2	0	0	0	2		
ANATOMY02	Anatomy of the Head & Neck & Internal Organ	2	0	0	0	2		
ANATOMY03	Kinesiology	2	1	0	0	3	ANATOMY01 PHYSIOL01	
PHYSIOL02	Physiology 2	2	1	0	0	3	PHYSIOL01	
BASCLIS2	Basic Clinical Skills 2	2	1	0	0	3	BASICLIS1	
<b>Total</b>		<b>20</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>23</b>		

**SECOND YEAR**

		No. of hrs.		RLE		Total Units	Pre-requisites	Co-requisites
		Lec	Lab	SL	C			
GEDCORE03	Purposive Communication	3	0	0	0	3		
PHYSEDUC2	Physical Education 2	2	0	0	0	2		
RCICALL03	Computer Aided							



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	Language Learning Program 3	0	1	0	0	1			
ANATOMY04	Neuroscience	2	1	0	0	3	PHYSIOL01		
BASICLIS3	Physical Therapy Examination and Evaluation	3	2	0	0	5	ANATOMY01 BASICLIS1		
PROFISSU1	Professional Issues 1: Intro to Rehab Sciences & Cultural Competencies	2	0	0	0	2			
BASICLIS4	Therapeutic Modality Intervention	2	2	0	0	4	PHYSICS BASICLIS1 PHYSIOL1		
PATHOLOGY	Pathology	3	0	0	0	3	ANATOMY02 PHYSIOL02		
<b>Total</b>		<b>17</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>23</b>			
<b>Second Semester</b>									
		<b>No. of hrs.</b>		<b>RLE</b>		<b>Total</b>	<b>Pre-</b>	<b>Co-</b>	
		<b>Lec</b>	<b>Lab</b>	<b>SL</b>	<b>C</b>	<b>Units</b>	<b>requisites</b>	<b>requisites</b>	
GEDCORE05	The Contemporary World	3	0	0	0	3			
GEMANDATE	Life and works of Rizal	3	0	0	0	3			
NSTPCWTS2	National Service Training Program								
	CWTS-2	3	0	0	0	3			
PHYSEDUC3	Physical Education 3	2	0	0	0	2			
RCICALL04	Computer Aided Language Learning Program 4	0	1	0	0	1			
REHAB0101	Musculoskeletal Rehab 1	3	2	0	0	5	BASICLIS2 BASICLIS3 BASICLIS4		
REHAB0105	Cardiopulmonary Rehab	2	2	0	0	4	PATHOLOGY BASICLIS2		
COMPREHAB	Community-Based Rehabilitation	2	0	0	0	2			
<b>Total</b>		<b>18</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>23</b>			
<b>Summer</b>									
		<b>No. of hrs.</b>		<b>RLE</b>		<b>Total</b>	<b>Pre-</b>	<b>Co-</b>	
		<b>Lec</b>	<b>Lab</b>	<b>SL</b>	<b>C</b>	<b>Units</b>	<b>requisites</b>	<b>requisites</b>	
RCIREED01	Values and Leadership of Jesus Christ	2	0	0	0	2			
GEDELEC01	Great Books	3	0	0	0	3			
TEALEARN2	Teaching & Learning 2: Mass Education	2	0	0	0	2			
<b>Total</b>		<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>			



## THIRD YEAR First Semester

		No. of hrs.		RLE		Total	Pre-	Co-
		Lec	Lab	SL	C	Units	requisites	requisites
REHAB0103	NeuroRehab 1	3	2	0	0	5	ANATOMY04 BASICLIS2 BASICLIS3 BASICLIS4	
REHAB0102	Musculoskeletal Rehab 2	2	2	0	0	4	BASICLIS2 BASICLIS3 BASICLIS4	
PHARMACOL	Pharmacology	3	0	0	0	3	PHATOLOGY	
PROFISSU2	Professional Issues: Organization and Administration and Entrepreneurship	3	0	0	0	3		
PTINTERN1	Internship 1	6	0	0	0	6	All Professional Subjects of BSPT1 & BSPT2	
<b>Total</b>		<b>17</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>21</b>		

## Second Semester

		No. of hrs.		RLE		Total	Pre-	Co-
		Lec	Lab	SL	C	Units	requisites	requisites
PHYSEDUC3	Physical Education 3	2	0	0	0	2		
REHAB0104	NeuroRehab2	2	2	0	0	4	ANATOMY04 BASICLIS2 BASICLIS3 BASICLIS4	
REHAB0106	Pediatric Rehab	2	1	0	0	3	ANATOMOY4 BASICLIS2 BASICLIS3 BASICLIS4	
ASSTECHNO	Assistive Technologies	3	1	0	0	4	ANATOMY01 BASICLIS1 BASICLIS2	
PROFISSU3	Professional Issues: Professional Ethics, Jurisprudence	2	0	0	0	2		
PTINTERN2	Internship 2	6	0	0	0	6	All Professional Subjects of BSPT1 & BSPT2	
<b>Total</b>		<b>17</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>21</b>		



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<b>Summer</b>		<b>No. of hrs.</b>		<b>RLE</b>		<b>Total</b>		<b>Pre-</b>	<b>Co-</b>
		<b>Lec</b>	<b>Lab</b>	<b>SL</b>	<b>C</b>	<b>Units</b>	<b>requisites</b>	<b>requisites</b>	
RCIREED02	Lessons of Professionalism in the Bible	2	0	0	0	2			
GEDCORE08	Art Appreciation	3	0	0	0	3			
GEDELEC07	Gender and Society	3	0	0	0	3			
<b>Total</b>		<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>			

## FOURTH YEAR

<b>First Semester</b>		<b>No. of hrs.</b>		<b>RLE</b>		<b>Total</b>	<b>Pre-</b>	<b>Co-</b>
		<b>Lec</b>	<b>Lab</b>	<b>SL</b>	<b>C</b>	<b>Units</b>	<b>requisites</b>	<b>requisites</b>
REHAB0107	Geriatric Rehab	2	1	0	0	3		
REHAB0109	Integumentary PT	1	1	0	0	2		
RESERACH1	Evidence-Based Practice 1	3	0	0	0	3		
REHAB0108	Industrial Rehab	2	0	0	0	2		
PTINTERN3	Internship 3	9	0	0	0	9	All Professional Subjects of BSPT1 & BSPT2	
<b>Total</b>		<b>17</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>19</b>		

<b>Second Semester</b>		<b>No. of hrs.</b>		<b>RLE</b>		<b>Total</b>	<b>Pre-</b>	<b>Co-</b>
		<b>Lec</b>	<b>Lab</b>	<b>SL</b>	<b>C</b>	<b>Units</b>	<b>requisites</b>	<b>requisites</b>
GEDELEC08	The Entrepreneurial Mind	3	0	0	0	3		
DDIAGCSR	Differential Diagnosis: Consultation, Screening & Delagation	2	1	0	0	3	REHAB101 REHAB109	
RESERACH2	Evidence-Based Practice 2	3	0	0	0	3	RESEARCH1	
PYSCHISPT	Psychiatric Issues in PT	2	0	0	0	2		
PTINTERN4	Internship 4	9	0	0	0	9	All Professional Subjects of BSPT1 & BSPT2	
<b>Total</b>		<b>19</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>20</b>		



**SUMMARY OF REQUIRED COURSES  
Bachelor of Science In Physical Therapy**

	<b>Number of</b>	<b>RLE/</b>	<b>Lec</b>	<b>Lab</b>	<b>Total</b>	<b>Units</b>
	<b>Courses</b>				<b>Subtotal</b>	
	<b>Required</b>					
<b>Core Courses</b>						<b>24</b>
Understanding the Self	1		3	0	3	
Readings in Philippine History	1		3	0	3	
The Contemporary World	1		3	0	3	
Mathematics in the Modern World	1		3	0	3	
Purposive Communication	1		3	0	3	
Art Appreciation	1		3	0	3	
Science, Technology and Society	1		3	0	3	
Ethics	1		3	0	3	
<b>Elective Courses</b>						<b>9</b>
Great Books	1		3	0	3	
Gender and Society	1		3	0	3	
The Entrepreneurial Mind	1		3	0	3	
<b>The Life and Works of Rizal</b>						<b>3</b>
The Life and Works of Rizal	1		3	0	5	
<b>Other Courses</b>						<b>14</b>
Physical Education	4		2	0	8	
National Service Training Program (NSTP 1 and 2)	2		3	0	6	
<b>Other Institutional Courses</b>						<b>10</b>
Computer Aided Learning Program 1	1		1	0	1	
Computer Aided Learning Program 2	1		1	0	1	
Computer Aided Learning Program 3	1		1	0	1	
Computer Aided Learning Program 4	1		1	0	1	
Values and Leadership of Jesus	1		2	0	2	
Lessons of Professionalism in the Bible	1		2	0	2	
Physics	1		2	0	2	
<b>Professional Courses</b>						<b>129</b>
Anatomy of the Limb, Back and Spine	1		3	1	4	
Cell Physiology, Nerve & Muscle	1		1	1	2	
Basic Clinical Skills 1	1		2	1	3	
Anatomy of the Head & Neck & Internal Organ	1		2	0	2	
Kinesiology	1		2	1	3	
Physiology 2	1		2	1	3	
Basic Clinical Skills 2	1		2	2	4	



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Neuroscience	1	2	1	3
Physical Therapy Examination & Evaluation	1	3	2	5
Professional Issues 1: Intro to Rehab Sciences & Cultural Competencies	1	2	0	2
Therapeutic Modality Intervention	1	2	2	4
Pathology	1	3	0	3
Musculoskeletal Rehab 1	1	3	2	5
Cardiopulmonary Rehab	1	2	2	4
Community-Based Rehabilitation	1	2	0	2
NeuroRehab 1	1	3	2	5
Musculoskeletal Rehab 2	1	2	2	4
Pharmacology	1	3	0	3
Professional Issues 2: Organization & Administration & Entrepreneurship	1	3	0	3
NeuroRehab 2	1	2	2	4
Pediatric Rehab	1	2	1	3
Assistive Technologies	1	3	1	4
Professional Issues 3: Professional Ethics, Jurisprudence	1	2	0	2
Geriatric Rehab	1	2	1	3
Integumentary PT	1	1	1	2
Industrial Rehab	1	2	0	2
Differential Diagnosis Consultation, Screening & Delegation	1	2	1	3
Psychiatric Issues in PT	1	2	0	2
Evidence Based Practice 1	1	3	0	3
Evidence Based Practice 2	1	3	0	3
Teaching & Learning 1: How People Learn	1	2	0	2
Teaching & Learning 2: Mass Education	1	2	0	2
Internship 1	1	6	0	6
Internship 2	1	6	0	6
Internship 3	1	9	0	9
Internship 4	1	9	0	9

**Total**

**189**



**PROFESSIONAL COURSE DESCRIPTION**  
**Bachelor of Science in Physical Therapy**

**ANATOMY01** **4 units**  
**ANATOMY OF THE LIMB, BACK AND SPINE**

The course provides the fundamentals of Human Anatomy that is clinically relevant. Study the structures of the

**BASICLIS1** **3 units**  
**BASIC CLINICAL SKILLS 1**

This course will introduce the student to basic clinical skills and problem-solving abilities to be built upon in future course work. It is an introductory course designed to prepare the student for patient care activities and includes general patient care skills such as: assessment of vital signs; principles of body mechanics; positioning; draping; transfers; gait training; wheelchair measurement and management; basic exercise. Students will also develop communication skills for interacting with patients, families and other health care professionals. This course will provide students the opportunity to develop these basic patient care skills in a lab setting in the classroom and apply this knowledge to simple patient case examples prior to part-time and full-time clinical experiences.

**ANATOMY2** **2 units**  
**ANATOMY OF THE HEAD AND NECK, INTERNAL ORGAN**

This course deals in exploring additional structures of the human body specifically the head, face, neck, thorax, abdomen, and pelvis and the essential systems that are contained in them. Understand the different body systems that are of clinical importance. Dissection and practical

human body and their relationships to each other with emphasis on the study of the spine, upper, and lower extremities. Dissection and practical correlation of the subject matter are performed during laboratory sessions.

correlation of the subject matter are performed during laboratory sessions.

**ANATOMY3** **3 units**  
**KINESIOLOGY**

This course provides various concepts of biomechanics, physiology, and anatomy of bodily motion as related to locomotion, activities of daily living and physical exertion in normal and disabled individuals. Study human motion, understand relevant kinesiological application, perform kinematic analysis, and produce successful treatment results for common functional activities.

**PHYSIOL02** **3 units**  
**PHYSIOLOGY 2**

The course entails advance cellular physiology with emphasis on tissue interaction, organ systems and the body's natural responses to physiological needs. Control and action of special substances such as hormones are also discussed especially the metabolic and endocrine system.

**BASICLIS2** **4 units**  
**BASIC CLINICAL SKILLS 2**

Instructions and demonstrations with Physiology of Exercise and types of Exercises. The course includes systematic, planned performance of bodily movements, postures, or physical activities intended to provide patient/client with the means to





remediate or prevent impairments, improve, restore, or enhance physical function, prevent or reduce health-related risk factors and optimize overall health status, fitness, or sense of well-being.

## **ANATOMY04** **3 units** **NEUROSCIENCE**

I The course provides a continuum in the study of gross human anatomy and neuroanatomy and neurophysiology, which includes the regional anatomy of the brain, spinal cord. An opportunity for first hand dissection experience, which includes brain cutting. A thorough discussion is also emphasized made on special cell types such as neurons and muscle fibers with emphasis on neuromuscular transmission and neurophysiology.

## **BASICLIS3** **5 units** **PHYSICAL THERAPY EXAMINATION & EVALUATION**

This course is an application of fundamental knowledge of the sciences of Anatomy, Physics, Biomechanics and Neurophysiology for measurement and evaluation of movement. It also incorporates the utilization and application of equipment and training procedures to assist the handicapped to achieve maximum function. Likewise, use all principles and techniques in conducting range of motion measurements, manual muscle testing and special test in Physical Therapy.

## **PROFISSU1** **2 units** **PROFESSIONAL ISSUES 1: INTRO TO REHAB SCIENCES AND CULTURAL COMPETENCIES**

To introduce to the students the backbone of rehabilitation sciences to further understand the history and

importance of rehabilitation and to develop cultural awareness that is of great importance for those working in any international or clinical setting. Students will be oriented in a culture different from their own and will undoubtedly experience culture shock and cultural adjustment.

## **BASICLIS4** **4 units** **THERAPEUTIC MODALITY** **INTEVENTION**

This course deals with principles, techniques, physical and psychological basis for the therapeutic use of cold, heat, light, low frequency, medium frequency and high frequency currents and sound waves and their therapeutic uses in Physical Therapy. Apply these principles on the management of pain, wound, edema, muscle weakness/paralysis, and some dysfunctions. Includes cryotherapy, thermotherapy: hot moist packs, ultrasound, phonophoresis, phototherapy: laser, infrared, ultraviolet radiation, paraffin was bath, fluidotherapy, diathermy and hydrotherapy: whirlpool. This course also deals with an understanding of electromagnetic energy in electronic based modalities. The student will practice application of these modalities in supervised laboratory sessions. Evidence based practice on the use of these modalities and implications of results of electro-diagnostic tests on electrotherapeutic management are given emphasis.

## **PATHOLOGY** **3 units** **PATHOLOGY**

The subject provides a background knowledge on general pathology; tissue cellular reaction to inflammation and injury, tissue repair and process of



healing and immunity. It also provides a background knowledge in the study of the relationships of different medical conditions and their implications in physical therapy practice.

## **REHAB-101** **5 units** **MUSCULOSKELETAL REHAB 1**

This course explores orthopedic and surgical conditions of the spine, upper, and lower extremities with emphasis on pathogenesis, clinical presentation, assessment, medical and surgical management, and rehabilitation of their clinical manifestations. Learn principles governing effective evaluation, assessment, diagnosis, goal-setting, treatment planning, and proper physical therapy management. Study the different principles, procedures, and techniques needed for examination of musculoskeletal conditions in actual clinical settings.

## **REHAB-105** **4 units** **CARDIOPULMONARY REHAB**

This course deals with the principles governing effective evaluation, assessment, diagnosis, goal setting, treatment planning and management of patients with cardiopulmonary conditions.

## **COMPREHAB** **2 units** **COMMUNITY-BASED** **REHABILITATION**

This course introduces the student to a community setting of related learning experience. This subject familiarizes the student with Physical Therapy in the clinical setting, the different principles, procedures & techniques as applied in actual clinical conditions. In particular, this course provides students with opportunities to be able to apply their

basic knowledge on Physical Therapy management technique and documentation in to the community. It is an integration of professional subjects learned emphasizing on clinical application in preparation for internship.

## **REHAB-103** **5 units** **NEUROREHAB 1**

This course provides an introduction to medical terminologies, pathogenesis, clinical presentations, and rehabilitation of Neurologic conditions such as CVA, TBI, MS, CP, and other paediatric cases; an overview governing an array of examination, evaluation, diagnosis, prognosis, and intervention focused on theories/techniques of specialized exercise regimen focused on MRP, PNF, and NDT based on neurological mechanisms such as Roods, Bobath, and Brunnstrom techniques for neurologic and orthopaedic cases from paediatrics to geriatric sections of Physical Therapy.

## **REHAB-102** **4 units** **MUSCULOSKELETAL REHAB 2**

This course explores orthopedic and surgical conditions in adults and pediatric patients with emphasis on pathogenesis, clinical presentation, assessment, medical and surgical management, and rehabilitation of their clinical manifestations. Learn principles governing effective evaluation, assessment, diagnosis, goal-setting, treatment planning, and proper physical therapy management. Study the different principles, procedures, and techniques needed for examination of musculoskeletal conditions in actual clinical settings.



## **PHARMACOL PHARMACOLOGY** **3 units**

This course is designed to help students familiarize themselves with the most common medications/drugs prescribed to the patients commonly seen in the practice of physical therapy. Emphasis is given on the indications, drug interaction, side effects and adverse effects of each of these drugs that can influence the clinical course and management of the different cases. Great importance is given to analgesics, anti-inflammatory drugs, anti-cancer drugs and drugs for neurologically impaired patients.

## **PROFISSU2 PROFESSIONAL ORGANIZATION & ADMINISTRATION & ENTREPRENEURSHIP** **3 units** **ISSUES:**

This course includes the direction and management of rehabilitation/physical Therapy units of hospitals, community centers, schools for handicapped individuals and public health agencies. It includes personnel selection, staff education, supervision, interdepartmental relationship, development and use of resources and program planning.

## **REHAB-104 NEUROREHAB 2** **4 units**

This course provides an introduction to medical terminologies, pathogenesis, clinical presentations, and rehabilitation of Neurologic conditions such as Lower Motor Neuron Diseases, PNF, AHC and other paediatric cases; an overview governing an array of examination, evaluation, diagnosis, prognosis, and intervention focused on theories/techniques of specialized exercise regimen focused on MRP, PNF, and NDT based on neurological

mechanisms such as Roods, Bobath, and Brunnstrom techniques for neurologic and orthopaedic cases from paediatrics to geriatric sections of Physical Therapy.

## **REHAB-106 PEDIATRIC REHAB** **3 units**

The course is designed to provide a thorough discussion on the Theories of Growth and Development in terms of motor, perceptual, cognitive, and psychological aspects in each age group. It also tackles various pediatric conditions seen in physical therapy practice and developing a specific plan of care utilizing the current trends in rehabilitation.

## **ASTECHNO ASSISTIVE TECHNOLOGIES** **4 units**

The course deals with the study of the principles and principles of Orthotics and Prosthetics devices such as splinting, casting, bandaging, bracing, and the use of artificial limbs. It includes the indications, contraindications, prescriptions, measurements, principles of fabrication, fitting and checking out of orthotic and prosthetic devices.

## **PROFISSU3 PROFESSIONAL PROFESSIONAL JURISPRUDENCE** **2 units** **ISSUES: ETHICS,**

This course will help Physical Therapy students to familiarize themselves with the process of ethical reasoning especially as it refers to medical situations and jurisprudence in certain place. Its aim is to help the students arrive at a right decision after considering the scientific, moral, legal and ethical aspects of a given situation.



**REHAB-107** **3 units**  
**GERIATRIC REHAB**

This course provides the students with the understanding and skills on how to deal patients with certain condition and on how they may be able to manage, assess, evaluate and make treatment plans for geriatric and with vestibular problem patients.

**REHAB-109** **2 units**  
**INTEGUMENTARY PT**

This course introduces the students with the various medical, surgical, orthopaedic, neurologic, pediatric and geriatric conditions commonly encountered in physical therapy concerning the integumentary system. This course will provide a comprehensive review of the integumentary system, concentrating on the prevention of integument disruption and the management of patients with open wounds, burns, and other dermatologic disorders is presented.

**REHAB-108** **2 units**  
**INDUSTRIAL REHAB**

This course is designed to provide individual training in incorporating ergonomics, whether it is a factory setting, office setting or home setting that will enable the Physical Therapy students in preventing workplace and overuse musculoskeletal injuries. Included in this course are Sports Rehabilitation and women health & wellness, integrating the universal design in creating a plan of care or environment modification for the patients or clients.

**DDIAGCSR** **3 units**  
**DIFFERENTIAL DIAGNOSIS:**  
**CONSULTATION, SCREENING &**  
**DELGATION**

This course will address the pathophysiology, diagnosis, and management of a variety of conditions.

Examination will be reviewed, and radiographic manifestations of soft tissue disorders will be discussed. Information from history, physical examination, and radiographic examination will be integrated to arrive at a diagnosis. Treatment methods designed to rationally alter the involved pathophysiological process will also be discussed

**PSYCHISPT** **2 units**  
**PSYCHIATRIC ISSUES IN PT**

This course introduces the student to the basic principles of Psychiatry. This course focuses on health and illness across the lifespan of clients, population groups with acute and chronic psychosocial difficulties and psychiatric illness. The course also includes the fundamentals of a psychiatric assessment, stages of psychological development, emotional reactions to stresses and various coping mechanisms and patterns of behaviour and stages of psychological reactions to disability – normal and abnormal mechanisms in the management of handicapped patients.

**RESEARCH1** **3 units**  
**EVIDENCE-BASED PRACTICE 1**

This course introduces about the basic concepts of research, including development of conceptual framework, type and methods of research, provides opportunity to write research proposal. it includes discussion on the formulation of the research problem, selection of research design and planning & choosing appropriate research tools for data gathering. The subject requires the students to present a research proposal in a colloquium, with the application of knowledge and demonstration of skills in the conceptualization, design and planning phases of the research process.



## **RESEARCH2 3 units EVIDENCE-BASED PRACTICE 2**

This course shall introduce the professional student to implement the research proposal through a designed methodology. One's knowledge of research and the process shall be transposed into skills given the favourable attitude, thus enabling the learner to generate a research in a series of short papers and chapter submissions, thesis defense and publication of work.

## **TEALEARN1 2 units TEACHING & LEARNING 1: HOW PEOPLE LEARN**

This course focuses on learning in the formal and informal setting and addresses questions about the process of acquiring knowledge, how reinforcement and modeling influence the behavior towards learning, and approaching the different ways and mechanisms of how people learn.

## **TEALEARN2 2 units TEACHING & LEARNING 2: MASS EDUCATION**

This course provides opportunities for students to understand and develop effective teaching and learning strategies. This course provides a variety of instructional approaches that is designed to engage students with the processes involving planning, implementing, conducting and evaluating teaching and learning programs.

## **PT-INTERN 6 units INTERNSHIP 1**

The course requires the Physical Therapy interns to be assigned to various affiliation hospitals and centers of the

school and to demonstrate consistent competence in conducting a comprehensive examination, evaluation, and assessment of patients/clients across the lifespan within a broad continuum of care.

## **PT-INTERN 2 6 units INTERNSHIP 2**

The course requires the Physical Therapy interns to be assigned to various affiliation hospitals and centers of the school and to demonstrate consistent competence in conducting a comprehensive examination, evaluation, and assessment of patients/clients across the lifespan within a broad continuum of care.

## **PT-INTERN 3 9 units INTERNSHIP 3**

Provides an intensive practical and theoretical training in the various affiliation hospitals and centers of the school to demonstrate consistent competence in planning and implementing appropriate physical therapy interventions for patients/clients across the lifespan within a broad continuum of care.

## **PT-INTERN 4 9 units INTERNSHIP 4**

Provides an intensive practical and theoretical training in the various affiliation hospitals and centers of the school to demonstrate consistent competence in planning and implementing appropriate physical therapy interventions for patients/clients across the lifespan within a broad continuum of care.



## INSTITUTIONAL COURSE DESCRIPTION

### **GEDCORE01** **3 units** **UNDERSTANDING THE SELF**

This course deals with the different aspects and concepts of self in terms of physical, emotional, cognitive, social, moral and responsible self. It covers topics about the nature of personal identity, enhancing one's self-image and assessing self-improvement. It aims to assist students in developing self-awareness, understanding and accepting oneself and others. As the course progresses, it will guide them to realize their vision in life and increase commitment to find meaning in their life.

### **GEDCORE02** **3 units** **READINGS IN PHILIPPINE HISTORY**

This course critically analyses Philippine History from multiple perspectives through the lens and selected primary sources. Priority will be given to primary sources that describe the important turning points in Philippine History from prehistoric times up to the contemporary period and articulate various perspectives. The approach, though historical, will deal with interdisciplinary subjects so as to broaden and deepen the student's understanding of Philippine political, economic, social and cultural history and equip the learner with the competencies necessary to analyze and evaluate different types of information: print, visual and audio visual and quantitative. The end goal is to develop the historical and critical consciousness of the students so that they will become versatile, broad-minded, morally upright and responsible citizens.

### **GEDCORE03** **3 units** **PURPOSIVE COMMUNICATION**

Purposive communication is a three-unit course that develops students' communicative competence and enhances their cultural and intercultural awareness through multimodal tasks that provide them opportunities for communicating effectively and appropriately to a multicultural audience in a local or global context. It equips students with tools for critical evaluation of a variety of texts and focuses on the power of language and the impact of images to emphasize the importance of conveying messages responsibly. The knowledge, skills, and insights that students gain from this course may be used in their other academic endeavors, their chosen disciplines, and their future careers as they compose and produce relevant oral, written, audio-visual and /or web-based output for various purposes.

### **GEDCORE04** **3 units** **MATHEMATICS IN THE MODERN WORLD**

This course deals with nature of mathematics, appreciation of its practical, intellectual and aesthetic dimensions and application of mathematical tools in daily life.

The course begins with an introduction to the nature of mathematics as an exploration of patterns (in nature and environment) and an application of inductive and deductive reasoning. By exploring these topics, students are encouraged to go beyond the typical understanding of mathematics as merely a set of formulas but as a source of



aesthetics in patterns of nature and a rich language in itself (and the science) governed by logic reasoning.

The course then proceeds to survey ways in which mathematics provides a tool for understanding and dealing with various aspects of present day living such as managing personal finances, making social choices, appreciating geometric designs, understanding codes used in data transmission and security, and dividing limited resources fairly. These aspects will provide opportunities for actually doing mathematics in a broad range of exercises that bring out the various dimensions of mathematics as a way of knowing the test the students' understanding and capacity. (CMO No. 20, series of 2013)

### **GEDCORE05** **3 units** **THE CONTEMPORARY WORLD**

This course introduces students to the contemporary world by examining the multifaceted phenomenon of globalization. Using the various disciplines of the social sciences, it examines the economic, social, political, technological and other transformations that have created an increasing awareness of the interconnectedness of people and places around the globe. To this end, the course provides an overview of the various debates in global governance, development and sustainability. Beyond exposing the student to the world outside the Philippines, it seeks to inculcate a sense of global citizenship and global ethical responsibility.

This course includes mandatory topics on population education in the context of population and demography.

### **GEDCORE06** **3 units** **STS- SCIENCE, TECHNOLOGY AND SOCIETY**

The course deals with the interaction between science and technology and social, cultural, political and economic contexts that shape and are shaped by them (CMO No. 20, series of 2013)

The interdisciplinary course engages students to confront the realities brought about by science and technology in society. Such realities pervade the personal, the public, and the global aspects of our living and are integral to human development. Scientific knowledge and technological development happen in the context of society with all its socio-political, cultural, economic and philosophical underpinnings at play. This course seeks to instill reflective knowledge in the students that they are able to live the good life and display ethical decision making in the face of scientific and technological advancement. This course includes mandatory topics on climate change and environmental awareness.

### **GEDCORE0 7** **3 units** **ETHICS**

Ethics deals with principles of ethical behavior in modern society at the level of the person, society, and in interaction with the environment and other shared resources. (CMO 20 s 2013)

Morality pertains to the standards of right and wrong that an individual originally picks up from the community. The course discusses the context and principles of



ethical behavior in modern society at the level of individual, society, and interaction with the environment and other shared resources. The course also teaches students to make moral decisions by using dominant moral frameworks and by applying a seven-step moral reasoning model to analyze and solve moral dilemmas. The course is organized according to the three (3) main elements of the moral experience: (a) agent, including context-cultural communal, and environmental; (b) the act; and (c) reason or framework (for the act).

**GEDCORE08** **3 units**  
**ART APPRECIATION**

Art Appreciation is a three-unit course that develops students' ability to appreciate, analyze, and critique works of art. Through interdisciplinary and multimodal approaches, this course equips students with a broad knowledge of the practical, historical, philosophical and social relevance of the arts in order to hone students' ability to articulate their understanding of the arts. The course also develops students' competency in researching and curating art as well as conceptualizing, mounting and evaluating art productions. The course aims to develop students' genuine appreciation for Philippine arts by providing them opportunities to explore the diversity and richness and their rootedness in Filipino culture.

**BICHMSTRY** **5 units**  
**BIOCHEMISTRY**

Chemistry for the Life Sciences is a course for students typically majoring in nursing. The course gives a general knowledge of chemistry (mostly

inorganic) with an emphasis on health-related topics and problem-solving strategies. Descriptive and quantitative principles are discussed. This course also introduces the fundamental principles of biochemistry and biochemical reaction cycles. Its deals with the study of the properties, structures, functions, absorption, digestion and metabolism of proteins, enzymes, carbohydrates and lipids.

**MICROPARA** **4 units**  
**MICROBIOLOGY** **AND**  
**PARASITOLOGY**

This is an introductory course designed to assist students in the study of the important microorganisms and parasites. The first part covers the fundamentals of Microbiology (forms, morphology, arrangement and physiology of bacteria, fungi, viruses and protozoa) mechanics of causing diseases, their resistance to treatment and the body's immune defense against them. The second part briefly covers the study of human parasites (mode of transmission, life cycle and disease process) which are of medical importance.

Emphasis of this course is given on pathology, treatment and prevention of various diseases.

**CO PHYSICS** **3 units**  
**COLLEGE PHYSICS**

It is a lecture and laboratory course. The course deals with the basic concepts of Physics, such as matter and energy and their interaction. Conceptual approach is used. Covers the ideas of motion, forces, momentum and energy from within the framework of Newton's Laws. The principles and applications of classical mechanics and thermodynamics,





including harmonic motion, mechanical waves and sound, physical systems, Newton's Laws of Motion, and gravitation and other fundamental forces are studied with emphasis on problem solving. Laboratory experiments supporting the topics are included. The students are provided with laboratory activities designed to strengthen classroom discussions and lectures.

## **EARTH SCIE** **3 units** **EARTH SCIENCE**

Earth Science and the Environment is a 3-unit course intended for college students who are taking a portion of their college general requirements. The course will cover basic topics in geology (major minerals and rock types, rock-forming processes, time scales; temperatures, pressures, compositions, structure of the Earth, and measurement techniques; geologic structures and relationships observable in the field; sediment movement and landform development by moving water, wind, and ice; crustal processes and planetary evolution in terms of global plate tectonics) and astronomy (stars, solar system, interstellar medium, the galaxy, and the universe). The course will also cover various environmental issues such as global warming, climate change, geological hazards, pollution, and renewable energies

## **GEMANDATE** **3 units** **LIFE AND WORKS OF RIZAL**

As mandated by Republic Act 1425, this course covers the life and works of the country's national hero, Jose Rizal. Among the topics covered are Rizal's biography and writings, particularly the novels *Noli Me Tangere* and *El*

*Filibusterismo*, some of his essays, and various correspondences.

## **RCIREED01** **2 units** **VALUES AND LEADERSHIP OF JESUS CHRIST**

Values and Leadership of Jesus Christ is designed to give student's adequate knowledge about Catholic Faith and Doctrine in the light of the Sacred Scripture, Sacred Tradition and Church Documents. It exposes students to the many misconception and corrections about Catholic Faith which led them to carry out the sound and authentic Catholic Faith in their day to day lives. The course is organized according to the three (3) main elements of the moral experience: (a) agent, including context-cultural communal, and environmental; (b) the act; and (c) reason or framework (for the act).

The Course also tackles the Values and Leadership of Jesus Christ as portrayed from the Sacred Scriptures and Church social teachings. It identifies the different kinds of Christian Leadership a student of Riverside College must become.

## **RCIREED02** **2 units** **LESSON OF PROFESSIONALISM FROM THE BIBLE**

The Lesson of Professionalism from the Bible (Sacred Scriptures) is designed to give students the adequate knowledge about the fundamental biblical descriptions according to the Catholic Church teachings. It exposes students the right way in understanding the Bible as a means for them to share their experiences and lessons taken from the biblical chapters and verses discussed. The Course tackles the value of professionalism which can be associated



to the different human characters discussed in the subject. This is organized according to the connectivity of the Sacred Scriptures to the Trinitarian perspectives of God the Father, God the Son and God the Holy Spirit

## **RCIPHYSICS** **3 units** **COLLEGE PHYSICS**

The course deals with the basic concepts of Physics, such as matter and energy and their interaction. Conceptual approach is used. Covers the ideas of torque, motion, forces, momentum and energy from within the framework of Newton's Laws. The principles and applications of classical mechanics and thermodynamics, including harmonic motion, mechanical waves and sound, physical systems, Newton's Laws of Motion, and gravitation and other fundamental forces are studied with emphasis on problem solving.

## **GEDELEC01** **3 units** **GREATBOOKS**

The course aims to introduce students to the international dimension of the Western literary tradition. Throughout this history, readers & writers were familiar with works in a variety of languages, & the great books all arise within a multilingual context. The course will draw on literatures written in English. The course aims to build up a sense of this broad context, & to give students the opportunity to read some "great books" with the understanding that this brings.

## **GEDELEC04** **3 units** **PHILIPPINE POPULAR CULTURE**

This course locates popular culture as a historico-spatial condition and

phenomenon of Philippine modernity. It provides the students with critical perspective in understanding and way of knowing popular culture in the Philippines. This course also provides multi-disciplinal attention on how art, music, and literature arising from opportunities and demands of mass audiences, markets and mass media and their social, economic, and political contexts.

## **GEDELEC05** **3 units** **PEOPLE AND THE EARTH'S ECOSYSTEM**

This course explores the ways in which human activity impacts the natural environment and how modification of environment can eventually have significant consequences to human activity. Topics include environmental challenges, such as air and water pollution, population growth and distribution, global atmospheric changes, ecosystems and evolution, agriculture and food resources and renewable and non-renewable energy resources.

## **GEDELEC06** **3 units** **LIVING IN THE IT ERA**

This course described the science, culture and ethics of Information Technology, in various uses and applications as well as its influence on culture and society. It is also designed to introduce the students to more advanced applications that can be used for research, communication, and electronic presentations.



## **GEDELEC07** **3 units** **GENDER AND SOCIETY**

Gender as a social construction, its role in the society and impact on different facets of societal life. This course critically examines the ways gender informs the social world in which we live. It exposes the "common sense" world of gender around us, considers how we develop our gendered identities, explores the workings of the institutions that shape our gendered lives and leads to an understanding of the between gender and the social structure

## **GEDELEC08** **3 units** **THE ENTREPRENEURIAL MIND**

This course introduces the concept of an entrepreneurial mindset and encourages the development of mindset and its associated enterprising skills, such as solving problems creatively, communicate persuasively, work effectively in teams and understand individual and organizational impact.

## **RCICALL1** **1 unit** **NEW DYNAMIC ENGLISH**

RCI Computer Aided Language Learning (RCI CALL) is designed to equip students the needed skills in English communication such as reading, listening, speaking and writing with the use of courseware and other references. RCI CALL embraces a wide range of information and communications technology applications and approaches to teaching and learning the universal language. The 21st century learners' interest in technology will be aided by the said program into an interactive and fun learning experience. Thus, the RCI CALL programs can be used by teachers as

technology partners in running their classrooms and solve problems like capturing students' attention and maintaining their interests. The nature of RCI CALL ensures that learning is a two-way street — dynamic and rigid.

RCICALL01 (NEW DYNAMIC ENGLISH) focuses on writing skills and uses well-designed scope and sequence. It promotes long term learning and keeps learners engaged with language. Since it focuses on the writing skill, it introduces students to the norms of academic writing

## **RCICALL2** **1 unit** **ENGLISH FOR SUCCESS**

RCI Computer Aided Language Learning (RCI CALL) is designed to equip students the needed skills in English communication such as reading, listening, speaking and writing with the use of courseware and other references. RCI CALL embraces a wide range of information and communications technology applications and approaches to teaching and learning the universal language. The 21st century learners' interest in technology will be aided by the said program into an interactive and fun learning experience. Thus, the RCI CALL programs can be used by teachers as technology partners in running their classrooms and solve problems like capturing students' attention and maintaining their interests. The nature of RCI CALL ensures that learning is a two-way street — dynamic and rigid.

RCI CALL 2 (ENGLISH FOR SUCCESS) Improves students reading comprehension and develops their English vocabulary. Also, It helps them



master the foundational reading skills and most importantly, it enhances their English language skills.

### **RCICALL3** **1 unit** **CLEAR SPEECH WORKS**

RCI Computer Aided Language Learning (RCI CALL) is designed to equip students the needed skills in English communication such as reading, listening, speaking and writing with the use of courseware and other references. RCI CALL embraces a wide range of information and communications technology applications and approaches to teaching and learning the universal language. The 21st century learners' interest in technology will be aided by the said program into an interactive and fun learning experience. Thus, the RCI CALL programs can be used by teachers as technology partners in running their classrooms and solve problems like capturing students' attention and maintaining their interests. The nature of RCI CALL ensures that learning is a two-way street — dynamic and rigid.

RCICALL03 (CLEAR SPEECH WORKS) focuses on Speaking skills, emphasizes the use of English language in expressing oneself orally and Improves students' oral communication and comprehension skills.

### **RCICALL4** **1 unit** **ADVANCE LISTENING**

RCI Computer Aided Language Learning (RCI CALL) is designed to equip students the needed skills in English communication such as reading, listening, speaking and writing with the use of courseware and other references. RCI CALL embraces a wide range of information and communications technology applications and approaches to teaching and learning the universal language. The 21<sup>st</sup> century learners' interest in technology will be aided by the said program into an interactive and fun learning experience. Thus, the RCI CALL programs can be used by teachers as technology partners in running their classrooms and solve problems like capturing students' attention and maintaining their interests. The nature of RCI CALL ensures that learning is a two-way street- dynamic and rigid.

RCICALL04 (Advanced Listening) is a useful and interesting tool because it develops the listening strategies, vocabulary and critical thinking skills of students. It also enhances their high-level listening and note taking skills. It emphasizes on English sounds, stress, and intonation pattern.