



### A brief Course Description

Course Name	Clinical Nutrition Practice I		
Course Code	CLN 411		
College	College of Health and Rehabilitation Sciences		
Department/ Program	Department of Health Sciences/ Clinical Nutrition		
Year / Level:	4th year/ Level 7		
Credit Hours	3 (1 . 0 . 2)		
Contact Hours	Lecture:1	Lab/Tutorial: 0	Training: 6
Language	English		
Track	Program Requirement		
Pre-requisites Course:	Clinical Nutrition I (CLN 311) Clinical Nutrition II (CLN 322)		
Co-Requests:	None		
Course Objectives:	This course aims to enable the students to analyze patients file, plan diet therapy with chronic diseases and write nutritional notes in the file. The course aims the acquisition of skills in terms of practical application of evidence-based practice to medical nutritional therapy in providing ethical and optimal care for patients.		

### A brief Course Description

Course Name	Research Project I		
Course Code	CLN 412		
College	Health and Rehabilitation Sciences		
Department/ Program	Health Sciences / Clinical Nutrition		
Year / Level:	4 <sup>th</sup> year / level 7		
Credit Hours	2 (2 . 0 . 0)		
Contact Hours	Lecture: 2	Lab/Tutorial: 0	Training: 0
Language	English		
Track	Program Requirement		
Pre-requisites Course:	Research Methods in Health Sciences (CLN 324)		
Co-Requests:	None		
Course Objectives:	<p>The purpose of this course is to learn how to develop a research idea and write it as a scientific proposal. This course will teach how to develop, plan, and write a research topic. It will help identify the important parts of a research proposal and write a proposal based on a selected topic that belongs to the field of clinical nutrition. The course will also provide insights on how to provide scientific evidence by using bibliographic search and to get the latest information and updates related to the topic of research.</p>		



### A brief Course Description

<b>Course Name</b>	<b>Inherited Metabolic Disorders</b>		
<b>Course Code</b>	<b>CLN 413</b>		
<b>College</b>	<b>Health and Rehabilitation Sciences</b>		
<b>Department/ Program</b>	<b>Health Sciences / Clinical Nutrition</b>		
<b>Year / Level:</b>	<b>4<sup>th</sup> Year / Level 7</b>		
<b>Credit Hours</b>	<b>3 (2 . 0 . 1)</b>		
<b>Contact Hours</b>	<b>Lecture: 2</b>	<b>Lab/Tutorial: 0</b>	<b>Training: 4</b>
<b>Language</b>	<b>English</b>		
<b>Track</b>	<b>Program Requirement</b>		
<b>Pre-requisites Course:</b>	<b>None</b>		
<b>Co-Requests:</b>	<b>None</b>		
<b>Course Objectives:</b>	<p>The purpose of this course to understand the genetic basis of inherited metabolic disorders and how they can be treated by dietary interventions. Furthermore, the course aims for the understanding of what metabolic pathways are affected and their clinical manifestations leading to a specific disease. The course also teaches how to formulate a nutrition care plan using case studies.</p>		



### A brief Course Description

<b>Course Name</b>	<b>Molecular Nutrition</b>		
<b>Course Code</b>	<b>CLN 414</b>		
<b>College</b>	<b>Health and Rehabilitation Sciences</b>		
<b>Department/ Program</b>	<b>Health Sciences / Clinical Nutrition</b>		
<b>Year / Level:</b>	<b>4<sup>th</sup> Year / Level 7</b>		
<b>Credit Hours</b>	<b>2 (2 . 0 . 0)</b>		
<b>Contact Hours</b>	<b>Lecture: 2</b>	<b>Lab/Tutorial: 0</b>	<b>Training: 0</b>
<b>Language</b>	<b>English</b>		
<b>Track</b>	<b>Program Requirement</b>		
<b>Pre-requisites Course:</b>	<b>None</b>		
<b>Co-Requests:</b>	<b>None</b>		
<b>Course Objectives:</b>	<p>The purpose of this course to understand the molecular components of food and their importance for good health and the development of nutrient deficiency diseases. The course will also teach the importance of nutrient-gene interactions as a result of the integration of genetics, cell biology and nutrition.</p>		



### A brief Course Description

<b>Course Name</b>	Food sciences		
<b>Course Code</b>	CLN 415		
<b>College</b>	Health and Rehabilitation Sciences		
<b>Department/ Program</b>	Health Sciences / Clinical Nutrition		
<b>Year / Level:</b>	4 <sup>th</sup> year / Level 7		
<b>Credit Hours</b>	3 (2 . 1 . 0)		
<b>Contact Hours</b>	Lecture: 2	Lab/Tutorial: 1	Training: 0
<b>Language</b>	English		
<b>Track</b>	Program Requirement		
<b>Pre-requisites Course:</b>	Food safety (CLN 315)		
<b>Co-Requests:</b>	None		
<b>Course Objectives:</b>	This course outlines the concepts of the Classification, Composition of foods based on groups (basic 5 or &), Physical chemical changes in terms of processing and interaction with other nutrients in foods. It also explains about the importance of moisture and water activity in preservation. Topics covered in the course will help the students to have the basis of the science of foods and water in formulating the diets in various stages of lifecycle and diseases.		



### A brief Course Description

<b>Course Name</b>	<b>Nutrition Education and Counseling</b>		
<b>Course Code</b>	CLN 416		
<b>College</b>	College of Health and Rehabilitation Sciences		
<b>Department/ Program</b>	Health Sciences/ Clinical Nutrition		
<b>Year / Level:</b>	4 <sup>th</sup> Year/ level 7		
<b>Credit Hours</b>	3 ( 2 . 0 . 1)		
<b>Contact Hours</b>	Lecture: 2	Lab/Tutorial:0	Training: 4
<b>Language</b>	English		
<b>Track</b>	Program Requirement		
<b>Pre-requisites Course:</b>	None		
<b>Co-Requests:</b>	None		
<b>Course Objectives:</b>	The course helps students to understand how to strengthen their relationships with patients / clients by providing a solid foundation of nutritional counselling and education principles to change dietary behavior and improve nutritional status. The course promotes changes to facilitate self-management, group facilitation and counselling, which are key to successful nutrition education interventions. The course also covers planning, selecting and using instructional media, as well as counselling for behavioral modification and cognitive change adapted to age group and considering cultural competencies.		