

## دبلوم التغذية الاكلينيكية

### كلية الصيدلة - جامعة المنصورة

#### نظام الدراسة

- يتألف العام الدراسي من فصلين دراسيين والفصل الدراسي مدته خمسة عشر أسبوعاً تشمل الإمتحانات.
- يتم تحديد موعد و بداية الدراسة طبقاً للائحة الدراسات العليا بالكلية و بعد موافقة مجلس الكلية.
- يقوم الطالب بدراسة مقررات دراسية بواقع 28 ساعة معتمدة مقسمة الى 14 ساعة معتمدة كل فصل دراسي.
- إجراء مشروع تخرج في الفصل الدراسي الثاني في موضوع تحدده اللجنة الفرعية للبرنامج ويعتمد من لجنة الدراسات العليا ومجلس الكلية.

#### المقررات الدراسية ومحتواها العلمي:

- 1- تتبع اللائحة نظام الساعات المعتمدة.
- 2 - توزع المقررات الدراسية على الفصول الدراسية كما هو مبين بجدول توزيع المقررات

#### الساعات المعتمدة:

الساعة المعتمدة تعادل محاضرة نظرية مدتها ساعة واحدة أو تدريب عملي بحد ادني ساعتين اسبوعيا أو تدريب اكلينيكي و ميداني مدته ثلاث ساعات اسبوعيا لمدة فصل دراسي

## الفصل الدراسي الأول

### مقررات دبلوم التغذية الإكلينيكية (PPND-100) Courses of Clinical Nutrition Diplom (PPND-100)

First Semester								
Code No	Course Title	Credit Hours	Exam. Hours		Exam. Marks			
			Written	Practical/ tutorial	Written	Practical/ tutorial	Class work	Oral
PPND-101	Basics of Nutrition and Metabolism أساسيات التغذية والتمثيل الغذائي	2 + 0	2	-	60	-	20	20
PPND-102	Clinical Foundations of Nutrition Support (1) الأساسيات الإكلينيكية لدعم التغذية (١)	2+ 1	2	2	60	20	-	20
PPND-103	Clinical Foundations of Nutrition Support (2) الأساسيات الإكلينيكية لدعم التغذية (٢)	2 + 1	2	2	60	20	-	20
PPND-104	<b>Nutrition deficiency and supplements</b> نقص التغذية و المكملات الغذائية	2 + 1	2	2	60	20	-	20
PPND-105	Nutrition Care for Pediatrics and Geriatrics الرعاية الغذائية للأطفال و كبار السن	2 + 1	2	2	60	20	-	20
<b>Total</b>		<b>14</b>						

**محتوي مقررات دبلوم التغذية الإكلينيكية (PPND -100)**  
**Courses Content of Clinical Nutrition Diplom (PPD-100)**

<b>First Semester</b>		<b>الفصل الدراسي الأول</b>
<b>PPND-101</b>	<b>Basics of Nutrition and Metabolism</b>	<b>Credit Hours (2+0)</b>
<p>Demonstrate a knowledge of basic nutrients and how these main nutrients are metabolized in the body.</p> <p>Mechanics of nutrition intake - Gross Digestion principles : Gastric Grinding and Gastrointestinal Motility energy -Carbohydrates : changes with development - Fat - Protein digestion , absorption and metabolism – minerals – watersoluble essential micronutrients – fat soluble vitamins – fluids and electrolytes and acid-base balance – probiotics and prebiotics</p>		
<b>PPND -102</b>	<b>Clinical Foundations of Nutrition Support (1)</b>	<b>Credit Hours ( 2+1 )</b>
<p>Demonstrate a knowledge of enteral nutrition and everything related to it.</p> <p>Nutrition screening and assessment; overview of enteral nutrition (EN); enteral formulations; enteral access devices; complications of enteral nutrition.</p>		
<b>PPND -103</b>	<b>Clinical Foundations of Nutrition Support (2)</b>	<b>Credit Hours ( 2+1)</b>
<p>Demonstrate a knowledge of parenteral nutrition and everything related to it, also provide knowledge of drug-nutrient interactions.</p> <p>Nutrition screening and assessment; overview of parenteral nutrition (PN); PN formulations; PN access devices; complications of PN; drug-nutrient interactions.</p>		
<b>PPND -104</b>	<b>Nutrition deficiency and supplements</b>	<b>Credit Hours ( 2+1 )</b>
<p>Demonstrates a knowledge of common nutritional deficiencies and how to avoid them and prevent their future bad effects on the health.</p> <p>Common inadequacies and deficiencies for some nutrients, Inadequate intakes, High requirements for rapid growth and development, or age- or disease-related impairments in nutrient intake, Increased nutrient losses, Complementary approach to address persistent nutritional gaps, Strategies to prevent future health care costs and to improve the health and quality of life of individuals.</p>		
<b>PPND -105</b>	<b>Nutrition Care for Pediatrics and Geriatrics</b>	<b>Credit Hours ( 2+1 )</b>
<p>Demonstrate a knowledge of pediatrics and geriatrics nutritional disorders and how to prevent and treat these disorders.</p> <p>Assessment of nutrition status by age and determining nutrient needs – determining the best way to feed – implementation of the plan – evaluation and monitoring of pediatric patients &amp; Developmental delay – food allergies – Human milk – infant formulas and complementary feeding – growth assessment and monitoring– use of fad and popular diets .</p>		

## الفصل الدراسي الثاني

Code No	Course Title	Credit Hours	Exam. Hours		Exam. Marks			
			Written	Practical/ tutorial	Written	Practical/ tutorial	Class work	Oral
PPND-106	Types and Management of Obesity أنواع السمنة وطرق التحكم بها	2 + 0	2	-	60	-	20	20
PPND-107	Nutrition Support of Specific cases (1) الدعم الغذائي للحالات الخاصة (١)	2+ 1	2	2	60	20		20
PPND-108	Nutrition Support of Specific cases (2) الدعم الغذائي للحالات الخاصة (٢)	2 + 1	2	2	60	20		20
PPND-109	Performance Outcome Indicators مؤشرات نتائج الأداء	2 + 0	2	-	60	-	20	20
PPND-EC 110 & 111	Elective course مقرر إختياري	2 + 0	2	-	60	-	20	20
PPND-112 GP	Graduation Project مشروع التخرج	2	-	-	Course work & report		Final seminar	
					70		30	
<b>Total</b>		<b>14</b>						

### Elective course (PPND-EC 110 & 111)

### المقررات الاختيارية

Code No	Course Title	Credit Hours	Exam. Hours		Exam. Marks			
			Written	Practical/ tutorial	Written	Practical/ tutorial	Class work	Oral
PPND-110	Eating disorders اضطرابات الأكل	2 + 0	2	-	60	-	20	20
PPND-111	Sport Nutrition التغذية الرياضية	2 + 0	2	-	60	-	20	20

## مقررات الفصل الدراسي الثاني

<b>PPND -106</b>	<b>Types and Management of Obesity</b>	<b>Credit Hours ( 2+0 )</b>
<p>Demonstrate a knowledge of the different ways to treat the obesity and the role of balanced nutritional lifestyle in the obesity treatment.</p> <p>Invasive techniques – liposuction – 3D-body contouring – Bariatric surgery – Non Invasive techniques – ultrasound &amp; infrared and radio frequency – cryolipolysis – cold laser – Mesotherapy – Carboxy therapy acupuncture – Medications &amp; Supplements .</p>		
<b>PPND -107</b>	<b>Nutrition Support of Specific cases (1)</b>	<b>Credit Hours ( 2+1 )</b>
<p>Demonstrates a knowledge of nutrition principles and their application in prevention and treatment of different diseases like burns, trauma, sepsis, pulmonary disease and much more.</p> <p>Pregnancy and lactation – Burns and Wound Healing – neurological impairment - Nutrition Support in Trauma - Nutrition in sepsis and infection – chylothorax and chylous ascites – pulmonary disease.</p>		
<b>PPND -108</b>	<b>Nutrition Support of Specific cases (2)</b>	<b>Credit Hours ( 2+1 )</b>
<p>Demonstrates a knowledge of nutrition principles and their application in prevention and treatment of different diseases like liver diseases, renal failure, HIV, cancer, diabetes and much more.</p> <p>Gastrointestinal disease - Nutrition in Liver disease - Nutrition Support in pancreatitis - Nutrition in Renal failure – Solid Organ Transplantation – HIV/ AIDS – Cancer and Cancer Therapy – Diabetes Mellitus .</p>		
<b>PPND -109</b>	<b>Performance Outcome Indicators</b>	<b>Credit Hours ( 2+0 )</b>
<p>Demonstrates a knowledge of quality performance improvement, safety practice and ethics.</p> <p>Quality performance improvement, indicators, and standards – Outcomes researches – Monitoring Home and Other Alternate site Nutrition Support – Safety Practice – Ethics and Law.</p>		
<b>PPND-EC 110 &amp; 111</b>	<b>Elective course</b>	<b>المقررات الإختيارية</b> <b>Credit Hours ( 2+0 )</b>
<b>PPND - EC 110</b>	<b>Eating disorders</b>	<b>Credit Hours ( 2+0 )</b>
<p>Demonstrates a knowledge of different common eating disorders and how to manage them.</p> <p>Definition of eating disorders, Types of eating disorders, Anorexia Nervosa, Bulimia Nervosa, Binge Eating Disorder, Causes of eating disorders, signs &amp; symptoms of eating disorders, treatment for eating disorder</p>		
<b>PPND - EC 111</b>	<b>Sport Nutrition</b>	<b>Credit Hours ( 2+0 )</b>
<p>What fuel energy system? – Carbohydrates as fuel for exercise - Protein and Fats for exercise – Hydration for optimal athletic performance – Nutrition timing :when,what and how much to eat ? – strategies for weight loss and muscle gain – Specialized diets in sport – Supplements &amp; micronutrients.</p>		

- This course allows to develop data collection and reporting skills in the area of hospital and Clinical Nutrition and to Show the evidence of having made accurate description of published work of others and of having recorded the findings in an impartial manner.
- Project work shall comprise of objectives of the work, methodology, results, discussions and conclusions.
- Project work chosen shall be related to the clinical nutrition in hospital and clinical setup. It shall be patient , sports, mal- nutrition oriented .
- Project work shall be matched with the institutional ethics.