



UNIVERSITI TEKNOLOGI MARA

PHC691: APPLIED THERAPEUTICS IN GASTROINTESTINAL, RENAL AND ENDOCRINE DISORDERS

Course Name (English)	APPLIED THERAPEUTICS IN GASTROINTESTINAL, RENAL AND ENDOCRINE DISORDERS APPROVED
Course Code	PHC691
MQF Credit	3
Course Description	This course serves to provide the students with skills required to identify, prevent and solve drug related problems involving the endocrine, gastrointestinal and renal disorders. The emphasis is placed on the critical thinking skills, clinical decision making, pharmaceutical care plan, drug information retrieval, and patient counseling. Students must integrate knowledge in pathophysiology, pharmacology and pharmacotherapy to patient care. Case studies on therapeutic problems of the related disorders will be discussed.
Transferable Skills	clinical skills, ethics, professionalism
Teaching Methodologies	Lectures, Case Study, Simulation Activity, Early Clinical Exposure
CLO	CLO1 Assess the primary medical and pharmaceutical problem in gastrointestinal, renal and/or endocrine cases CLO2 Determine the therapeutic goal and recommend therapeutic alternative to problems relevant to pharmaceutical care intervention of gastrointestinal, renal &/or endocrine cases CLO3 Explain the pharmaceutical intervention of clinical cases using appropriate monitoring parameters to achieve the desired outcome
Pre-Requisite Courses	No course recommendations
Topics	
1. Diabetes mellitus 1.1) N/A	
2. Thyroid disease 2.1) N/A	
3. Portal hypertension 3.1) N/A	
4. Peptic ulcer disease 4.1) N/A	
5. Chronic renal failure 5.1) N/A	
6. Fatty liver, liver cirrhosis, obesity 6.1) N/A	
7. Pancreatitis, alcoholic liver disease 7.1) N/A	
8. Acute renal failure 8.1) N/A	
9. Gastrointestinal disease 9.1) N/A	
10. Bile flow disorders 10.1) N/A	
11. Adrenal gland disease 11.1) N/A	

12. Infammatory bowel disease
12.1) N/A

Assessment Breakdown	%
Continuous Assessment	30.00%
Final Assessment	60.00%
Competency Assessment	10.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Test	Mid term test	10%	CLO1
	Written Report	Hospital clerkship report	20%	CLO3

Reading List	Recommended Text
	<ul style="list-style-type: none"> • Young L.Y., Koda-Kimble M. A 2013, <i>Applied Therapeutics: The clinical use of drugs</i>, 10 Ed., Applied Therapeutics Inc. Washington [ISBN: 978-078174845] • DiPiro J.T., Talbert R.L., et al. 2017, <i>Pharmacotherapy: A Pathophysiologic Approach</i>, 10 Ed., McGraw Hill [ISBN: 978-12595874]
Reference Book Resources	<ul style="list-style-type: none"> • Walker R., Catherine W. 2012, <i>Clinical Pharmacy and Therapeutics</i>, 5 Ed., Churchill Livingstone London [ISBN: 978-070204293] • Goodman L.S., Gilman A. 2012, <i>The Pharmacological Basis of Therapeutics</i>, 12 Ed., Macmillan Publishing Co. New York [ISBN: 978-125958473] • Kelly S., Nickole N.H., Daniel R. 2010, <i>Clinical Drug Data</i>, 11 Ed., McGraw-Hill Medical [ISBN: 978-00716268] • Dodds L.J. 2013, <i>Drugs in use: Clinical case studies for pharmacists.</i>, 11 Ed., The Pharmaceutical Press London [ISBN: 978-085369233] • Corey F, Neville M., Parvin F.P. et al. 2016, <i>The Washington Manual of Medical Therapeutics</i>, 34 Ed., Lippincott Williams & Wilkins [ISBN: 978-160547014]
Article/Paper List	This Course does not have any article/paper resources
Other References	This Course does not have any other resources