Course Description Form

1. Course Name:

Applied Therapeutics I

2. Course Code:

Phclp24_511

3. Semester / Year:

1st semester / 5th year

4. Description Preparation Date:

1/9/2024

5. Available Attendance Forms:

Students list of names

6. Number of Credit Hours (Total) / Number of Units (Total):

3 hours (45)/3 Units

7. Course administrator's name (mention all, if more than one name)

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8. Course Objectives

By the end of this course, the student is expected to be able to:

1. Explain the basic principles of treating diseases requiring hospitalization.
2. Analyze laboratory test results and relate them to the clinical situation.
3. Apply therapeutic principles to select appropriate drug therapy.
4. Evaluate response to treatment and modify the treatment plan when necessary.
5. Support treatment decisions with current scientific evidence and treatment recommendations

9. Teaching and Learning Strategies

1. [Knowledge] Understands the basic concepts of the causes of diseases affecting vital organs.
2. [Understand] Interprets the results of laboratory tests used in patient evaluation.
3. [Application] Apply basic concepts in treatment and select the appropriate treatment plan ba on the case data.
4. [Analysis] Analyzes clinical cases and compares treatment alternatives.
5. [Synthesis] Designs a comprehensive treatment plan based on treatment guidelines.
6. [Evaluation] Evaluates the effectiveness and safety of the proposed treatment plan.

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	Explains the pharmacist's ro in lab results explanation (Comprehension)	Interpretation of lab results	1+2+3	Quiz + case problem solution
2	3	Explains Acute coronary symptoms (Comprehension) Chooses appropriate treatme (Application), Identifies emergency cases (Analysis)	Acute coronary syndrome	1+3+4	Homework + Discuss
3	3	Explains Arrythmias (Comprehension), Evaluates treatment response (Evaluati	Arrhythmias	2+3+4	Case analysis
4	3	Identifies common thrombot diseases (Knowledge), Sugg	Thrombosis	1+2+3	Quiz + case problem solution

		appropriate medication (Synthesis)			
5	3	Explains Dyslipidemia & Stroke (Comprehension), Applies an initial treatment p (Application)	Dyslipidemia & Stroke	1+2+3+5	Case analysis
6	3	Compares treatment types (Analysis), Evaluates treatm plan's effectiveness (Evaluation)	Shock	1+2+3+6	Case analysis
7	3	Identifies common liver diseases (Knowledge), Desig a treatment plan (Synthesis)	Liver cirrhosis & Hepatitis	1+2+4	Quiz + peer evaluatio
8	**Mid-ter exam**				
9	3	Interprets patient respor to treatment (Evaluation	Inflammatory bowel disease	1+2+3	Quiz + case problem solution
10	3	Explains ARI (Comprehension), Recommends appropria treatment (Application)	Acute renal failure	1+2+3+4	Homework + Discuss
11	3	Explains CRI (Comprehension), Recommends appropria treatment (Application)	Chronic renal failure & Dialysis	2+3+5	Case analysis
12	3	Explains neurological disease symptoms of SLE(Comprehension), Analyzes treatment options (Analysis)	SLE	1+2+3	Quiz + case problem solution
13	3	Identifies BPH and Aci base disroders problems (Knowledge), Chooses appropriate treatment (Application)	BPH & Acid-base disorders	2+3+5	Case analysis
14	3	Explains Glaucoma (Comprehension)	Glaucoma	1+2+4	Case analysis
15	3	Identifies types of dietary nutrition (Analysis), Evaluates their benefit for each case (Evaluation)	Parenteral & Enteral nutrition	1+2+3+4	Quiz + peer evaluatio

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc.

- 30 M mid-term exam+ quiz
- 70 M final paper-based exam
- 100 M total

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	1. Chisholm-Burns MA, Schwinghammer TL, Malone PM, et

	al. Pharmacotherapy principle and practice. 6th edition. 2022 Clinical pharmacy and therapeutics
Main references (sources)	Joseph T. DiPiro, Robert Pharmacotherapy Handbook. 1 Edition. 2023.
Recommended books and references (scientific journals, reports...)	Educational videos
Electronic References, Websites	YouTube
Percentage of updating	10%