



T-104  
2022

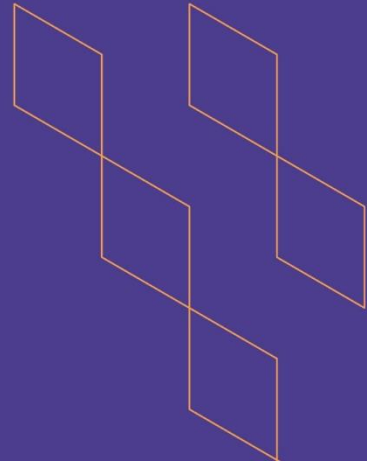
# Course Specification





T-104  
2022

## Course Specification



Course Title:	<b>Pharmacoeconomics</b>
Course Code:	<b>558- PHP-2</b>
Program:	<b>Pharmaceutical Sciences</b>
Department:	<b>Clinical Pharmacy</b>
College:	<b>College of Pharmacy</b>
Institution:	<b>Najran University</b>
Version:	
Last Revision Date:	<b>14-12-2023</b>



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## A. General information about the course:

Course Identification	
1. Credit hours:	2+0
2. Course type	
a.	University <input type="checkbox"/> College <input type="checkbox"/> Department <input type="checkbox"/> Track <input type="checkbox"/> Others <input checked="" type="checkbox"/>
b.	Required <input type="checkbox"/> Elective <input checked="" type="checkbox"/>
3. Level/year at which this course is offered: 10 <sup>th</sup> Level/ 5 <sup>th</sup> Year	
4. Course general Description The purpose of this course is to introduce students to the fundamental methods of pharmacoeconomic analysis. Topics include the terminology used in Pharmacoeconomics, research methods frequently used in Pharmacoeconomics, and the role of Pharmacoeconomics in the drug development process and health care decision making relevant to the practice of pharmacy. These principles will prepare the student for future coursework where the student will develop and implement individualized treatment plans, taking into consideration pharmacoeconomic factors.	
5. Pre-requirements for this course (if any): None	
6. Co- requirements for this course (if any): None	
7. Course Main Objective(s) <ul style="list-style-type: none"> <li>Understand the economic principles that are used in Pharmacoeconomics and interprets and evaluates pharmacoeconomic articles that used the following type of analyses.</li> <li>Measuring and estimating cost-minimization analysis, cost-effectiveness analysis, cost-utility analysis, cost-benefit analysis, and health-related quality of life.</li> <li>Discuss how a pharmacy service can be evaluated using pharmacoeconomic approaches.</li> </ul>	

### 1. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1.	Traditional classroom	30	100
2.	E-learning		
3.	Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul>		
4.	Distance learning		

### 2. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	30

2.	Laboratory/Studio	0
3.	Field	0
4.	Tutorial	0
5.	Others	0
	Total	30

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.2	Demonstrate the basic knowledge of Pharmacoeconomics, policy, legislation, marketing, administration and ethics of health care	K2	Lectures	Written exam
2.0	Skills			
2.2	Evaluate the pharmacoeconomic analyses and utilize the results in different pharmaceutical fields.	S2	Lectures	1. Written exam 2. Assignments
3.0	Values, autonomy, and responsibility			
3.2	Advocate patient rights to safe and effective medication use in relevant practice setting.	V2	Lectures	1. Written exam 2. Assignments
3.4	Review skills to work in pharmaceutical companies and pharmacy benefits management, and government public health, medicine, and other related sectors.	V4	Lectures	1. Written exam 2. Assignments

## C. Course Content

No	List of Topics	Contact Hours
1.	Introduction to Pharmacoeconomics	2
2.	Basic principles relevant to Pharmacoeconomics studies	2
3	Aspects of Pharmacoeconomics	2
4	Measuring and estimating Costs	2
5	Pharmacoeconomic analyses: Cost Minimization Analysis (CMA)	4
6	Pharmacoeconomic analyses: Cost Benefit Analysis (CBA)	4
7	Pharmacoeconomic analyses: Cost Effectiveness Analysis (CEA)	4
8	Pharmacoeconomic analyses: Cost Utility Analysis (CUA)	4
9	Pharmacoeconomics in Drug Development	2
10	Quality of Life Assessment	2
11	Examination and assessments	2
Total		30

## D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quiz	Regular class test	10%
2.	Midterm exam	6-7	25%
3.	Presentation	9	5%
4.	Assignments/ Clinical visit	9	5%
5.	Observation card	10	5%
6.	Final exam	12-13	50%
<b>7</b>	<b>Total</b>		<b>100%</b>

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)



## E. Learning Resources and Facilities

### 1. References and Learning Resources

Essential References	<ul style="list-style-type: none"> <li>Essentials of Pharmacoeconomics. Edit.:Karen L.Rascati – 2nd edition. Pub.:Lippincott Williams &amp; Wilkins, 2014.</li> <li>Pharmacoeconomics: Principle and Practice, Lorenzo Pradelli and Albert Wertheimer.</li> </ul>
Supportive References	students will be provided with handouts by the lecturer
Electronic Materials	<a href="http://lib.nu.edu.sa/DigitalLibrary.aspx">http://lib.nu.edu.sa/DigitalLibrary.aspx</a> <a href="http://www.rxlist.com">www.rxlist.com</a> <a href="http://www.drugindex.com">www.drugindex.com</a>
Other Learning Materials	

### 2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	<b>A Lecture containing at least 25 seats</b>
Technology equipment (projector, smart board, software)	<ul style="list-style-type: none"> <li><b>Computer lab</b></li> <li><b>Internet access</b></li> </ul>
Other equipment (depending on the nature of the specialty)	

## F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Head of departments and students	Indirect Questionnaires (indirect)
Effectiveness of students' assessment	Faculty members and students	Indirect Questionnaires (indirect)
Quality of learning resources	Student peer reviewer	Direct Indirect
The extent to which CLOs have been achieved	Students	Questionnaires (Indirect)
Other		

**Assessor** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)



## G. Specification Approval Data

COUNCIL /COMMITTEE	CLINICAL PHARMACY DEPARTMENT COUNCIL
REFERENCE NO.	
DATE	

