

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Pharmaceutical Chemistry Lab 1
Course number	PHCH4112
Faculty	
Department	
Course type	Major Needs
Course level	4
Credit hours (theoretical)	0
Credit hours (practical)	1
Course Prerequisites	

Course Objectives

1 - This practical course aims to give the students a practical experience in qualitative and quantitative analysis of drugs
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Intended Learning Outcomes

Knowledge and Understanding	<ul style="list-style-type: none"> * The students would learn how to deal with Pharmacopeia: BP, EP, USP * The students would be able to use both classical and modern analytical methods in drug analysis * The students would be able at the end of this course to write a proper and full quality control report about the drugs to be analyzed
Professional Skills	<ul style="list-style-type: none"> * the students will be able to deal with different type of instruments according to SOP that commonly used in drug analysis

Course Contents

1 - Assay of Nalidixic Acid Tablets
2 - Assay of Chloramphenicol Eye Drops
3 - Assay of Ciprofloxacin Caplets
4 - Assay of Amoxicillin Capsules
5 - Assay of Naproxen Tablets
6 - Assay of Furosemide Ampoule
7 - Assay of Lidocaine HCl Ampoule
8 - Assay of Ranitidine Ampoule
9 - Assay of Aspirin Tablets
10 - Assay of Indometacin Suppositories
11 - Assay of Ascorbic Acid tablets

Teaching and Learning Methods

1 - laboratory instructions, demonstrations, videos, tutorials
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Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
Evaluation/ oral quizzes		20%
Oral examinations		5%
Laboratory reports		35%
Final exam		40%

Books and References

Course note	Lab Manual
Recommended books	Hunson, J.W., ed. Pharmaceutical Analysis , Modern Methods, part A & B, Marcel Dekker Beckett and Stenlake, Practical Pharmaceutical Chemistry, CBS Sethi, P.D., Quantitative Analysis of Pharmaceutical formulations, CBS Publishers, New Delhi