Course Specifications

General Information

Course name	PHARMACEUTICAL CHEMISTRY II LAB
Course number	PHCH5114
Faculty	
Department	
Course type	Major Needs
Course level	5
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 as well as their synthesis

Intended Learning Outcomes

Professional Skills

* 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 manipulate some simple techniques that used in drug synthesis, isolation, purificatin, identification

Course Contents

1 - Synthesis of sulfonamide
2 - Assay of Aminophylline Injection
3 - Assay of Atenolol Tablets
4 - Assay of Chlordiazepoxide Tablets
5 - Assay of Chlorpomazine HCl Tablets
6 - Assay of Diazepam Tablets
7 - Assay of Diltiazem HCl Tablet
8 - Assay of Metformin HCl Tablets
9 - Assay of Warfarin Tablets
10 - Assay of Phenobarbital Tablets
11 - Assay of Pilocarpine HCl eye drops
12 - Synthesis of Paracetamol

Teaching and Learning Methods

1 - laboratory instructions, discussions, demonestrations, videos, tutorials

Students Assessment

Assessment Method	TIME	MARKS
Evaluation/ oral quizzes	Every week	20%
Laboratory reports	Every week	35%
Oral examinations	with final exam	5%
Final exam		40%

Books and References

Course note	Lab Manual
Recommended books	Beckett and Stenlake, Practical Pharmaceutical Chemistry, CBS