Paitaxt Technical Institute

Department of pharmacy

Subject: Pharmaceutics

Course Book – 1st Year

Lecturer's name: Hewa Ghafur Hamad

Academic Year: 2020- 2021

Course Book

1. Course name	**Pharmaceutics (theory)**
2. Lecturer in charge	**Hewa Ghafur Hamad**
3. Department/ College	**pharmacy**
4. Contact	**e-mail:hewaghafur23@gmail.com** **Tel: 009607504707760**
5. Time (in hours) per week	**For example Theory: 2 hrs.**
6. Office hours	**8:30 AM-1:00 PM**
7. Course code	
8. Teacher's academic profile	**Lecturer in hawler medical university.**
9. Keywords	

10. Course overview:

The course will cover the design of Drugs dosage form, their principles and the routes of administration and elimination of drugs, where they are involved with design, chemical synthesis and development for market of pharmaceutical agents, or bio-active molecules (drugs). Pharmaceutics is the study of drugs, and it involves drug development. This includes drug discovery, delivery, absorption, metabolism, and more. There are elements of biomedical analysis, pharmacology, pharmacokinetics, and pharmacodynamics.

11. Course objective:

Use basic information pharmaceutics then study skills for lifelong learning to contribute effectively. Solve basic level in understanding complex Terms.

12. Student's obligation

Daily physically living of students with theoretical and practical subjects. Randomized intermittent quizzes, preparing seminars and practical hospital activities. A daily review of the evaluation form and checklist is encouraged to assure successful course for attendance. Each student is needed to attend class. Classroom attendance is mandatory. Only students with official **Paitaxt Technical Institute** absence, family crises, and illness are excused from class, students would be assigned a randomly selected identifier for class participation. During the lecture presentation, students should write down the comments or other points can be discussed in the classroom. In addition, daily quizzes, and small group discussion are required by students. At the end of each lecture, the students are asked for the graded homework related the subject of that day. **As well, considering the Coronavirus measurements are being regulated by Government including electronic studying**.

13. Forms of teaching

• The lectures (outline / hard copies) would be given to students in advance, and then the students should read and bring these lectures with then on the lecture's day.

• On the lecture day, data show will be used for clarification; in addition to that the students should participate in open discussion, small group teaching and daily quizzes.

• In the last of lectures, the students will asked for homework to be discussed by the next lectures

14. Assessment scheme

Theory and Practical Subjects:

Midterm Exam		Activities				Annual Mark	Final Exam	Total Mark
Theory	Practical	Quizzes, Seminar	Homework, Reports	Absence	Posters	40%	60%	100%
10%	10%	5	5	5	5			
20%		20%						

- دابەشکردنی (٦٠) نمرەی کۆتایی ساڵ بەم شێوەیەی خوارەوە:
(٣٠) نمرە لەسەر تاقیکردنەوەی پراکتیکی دادەنرێت و (٣٠) نمرە لەسەر تاقیکردنەوەی تیۆری دادەنرێت.

15. Student learning outcome:

By the end of the course, students should be able to understand the Drug Information and physiological characters using new words, which might be helpful in different subjects.

16. Course Reading List and References:

- **A Textbook of Aultons Pharmaceutics: The Design and Manufacture of Medicines FOURTH EDITION**

Edited by: **Taylor, K. M., & Aulton, M. E**

- **An Introduction to Medicinal Chemistry , Sixth Edition , Graham Patrick**
- Internet

17. The Topics:	Lecturer's name
Theoretical course subjects include: 1. Introduction to pharmaceutics. (1lecture) 2. Designs of Dosage Forms. (2 lectures) 3. Scientific principles dosage form design. (2 lectures) 4. Particle science and powder technology. (1 lecture) 5. Pharmaceutical microbiology and sterilization. (2 lecture) 6. Biopharmaceutical principles of drug delivery (3 lecture) 7.Dosage form design and manufacture (6 lectures) 8.Packaging and stability of pharmaceutical products (2 lecture)	Hewa Gh. Hamad

19. Examinations:

1. 1. Compositional*:* what do you mean by Recreational drugs?

Drugs that are not used for medicinal purposes, but are instead used for pleasure. Common recreational drugs include alcohol, nicotine and caffeine, as well as other substances such as opiates anaesthesia. Some drugs can cause addiction and all drugs can cause side effects

2. **True or false type of exams:**

Oral/swallowed is the oldest and commonest mode of drug administration. True

3. Multiple choices:

----------The tablet containing the drug is placed under the tongue or crushed in the mouth and spread over the buccal mucosa. In this mode of administration fast systemic absorption is observed which, by pass gastrointestinal tract entry.

a. **A/ Oral/sublingual** B/ Rectal C/ Epithelial D/ Inhalation

20. Extra notes:

Here the lecturer shall write any note or comment that is not covered in this template and he/she wishes to enrich the course book with his/her valuable remarks.

21. Peer review پێداچوونەوەی هاوەڵ

This course book has to be reviewed and signed by a peer. The peer approves the contents of your course book by writing few sentences in this section.

(A peer is person who has enough knowledge about the subject you are teaching; he/she has to be a professor, assistant professor, a lecturer or an expert in the field of your subject).

ئەم کۆرسبووکە دەبێت لەلایەن هاوەڵێکی ئەکادیمیەوە سەیر بکرێت و ناوەڕۆکی بابەتەکانی کۆرسەکە پەسەند بکات و جەند ووشەیەک بنووسێت لەسەر شیاوی ناوەڕۆکی کۆرسەکە و واژووی لەسەر بکات.

هاوەڵ ئەو کەسەیە کە زانیاری هەبێت لەسەر کۆرسەکە و دەبیت پلەی زانستی لە مامۆستا کەمتر نەبێت