



Sohag University



Faculty of pharmacy

Quality Assurance Unit

Course Specifications

University: Sohag University

Code: PT 224

Title : Dosage Forms 1

Course Specifications

Program (s) on which the course is given : Pharmacy Program

Department offering the program: Department of Pharmaceutics and Clinical Pharmacy

Academic year / Level : 2nd year

Date of specification approval 2015/2016

A- Basic Information

Prerequisites: ... Pharmaceutical Dosage Forms I

Credit Hours:3 hrs

Lecture:2 hr ...

Tutorial:

Practical:1 hr

Total: ...3 hr.....

B- Professional Information

1- Overall aims of course

This course aims to inform the student with the processes and formulation of solid, molded and sterile dosage forms with its advantages and disadvantages.

2- Intended learning outcomes of course (ILOs)

a- Knowledge & understanding:

Define different solid dosage forms, their advantages and disadvantages and recognize different methods of their manufacture.



- Discuss factors affecting the stability of a specific dosage forms and its pre-formulation considerations.

b- Professional skills

- Identify different Pharmaceutical solid dosage forms.
- Observe and prepare different types of tablets, capsules and suppositories on small scale.
- Perform chemical and physical tests on a dosage form to determine quality of the product.

c- Intellectual skills

- Compare the techniques used in the production of solid dosage forms.
- Calculate D V value of different solid dosage forms and quantities of ingredients used.
- Analyze the results to determine which batch of solid dosage form is pass

d- General & transferable skills

- Use internet in research and communications.
- Work effectively in a team during applications of instrumental analysis of different pharmaceutical preparations.

Contents

Week NO.	Topic	NO. of Hours	Lecturer	Tutorial / Practical
W1	General introduction	2	2	2
W2	tablets	2	2	2
W3	Tablets (cont.)	2	2	2
W4	Tablets (cont.)	2	2	2
W5	Tablets (cont.)	2	2	2
W6	Tablets (cont.)	2	2	2
W7	capsules	2	2	2
W8	Revision			
W9	Rectal and vaginal dosage form	2	2	2
W10	Mid term exam			

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W11	Revision			
W12	Respiratory dosage form	2	2	2
W13	Parenteral formulation	2	2	2
W14	Parenteral formulation cont.	2	2	2
W15	Parenteral formulation cont.	2	2	2
W16	Revision	2	2	2
total		26	26	26

3- Teaching & learning methods

1- Lectures.

2-References

4 -Student assessment methods

- Oral discussions
- Quizzes
- Homework
- Solving problems
- Mid-term exam
- Final exam

Assessment schedule

1st Practical Exam 4th week

2nd Practical Exam..... 15th week

Med – Term Exam..... 7th week

Written final Exam 16th to 16th week *

Oral Exam 16th to 16th week*



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Weighing of assessments

Mid-term examination	15 Marks
Practical Examination	30 Marks
Oral examination	15 Marks
Final – term examination	90 Marks
Total	150 Marks
Any formative only assessments	

6-List of references

6, 1- Course notes

- 1- American pharmacy and pharmaceutical calculation book
- 2- Pharmaceutics: The science of dosage form design, 2th edu., M.Aulton Churchill Livingstone, 2002

6, 2- Essential book (text books)

- 1- Physical pharmacy- physical chemical principles in the pharmaceutical science, 4th edu., A. Matin, Lea and Febiger, 1993
- 2- Pharmaceutical dosage forms and drug delivery systems- Ansel, H.C: and popovich, NG-5th edition, Williams and Wilkins, 1990.

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6, 3- Recommended books

- 1- Remington: The science and practice of pharmacy, 20th edu, A. Gennaro, Lippincott, 2000
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6, 4- Periodicals, Web sitesetc

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7- Facilities required for teaching & Learning

Teacher name: Mahmoud M. Ahmed Elsayed

Contact:- e-mail: m_almenshawy80@hotmail.com

Course coordinator:- Ass.Prof. Dr/ Mahmoud M. Ahmed Elsayed

Head of Department: Ass.Prof. Dr / Mahmoud M. Ahmed Elsayed

Date: 15/9/2015



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