

In the name of GOD

Department of

School of pharmacy

Course title: Pharmaceutics 3 (theory)

Course code:

Credit(Theory or Practical): 3 (theory)

Prerequisite: pharmaceutics 1

First Semester: Sep 2024

Course Instructors: Dr. Zohreh Mohammadi, Dr Ahmadreza Barazesh,

Responsible Instructor: Dr. Zohreh Mohammadi

References:

- 1- Aulton's Pharmaceutics: The Design and Manufacture of Medicines, Michael E. Aulton BPharm PhD, Kevin M.G. Taylor BPharm PhD, latest edition

- 2- Ansel's Pharmaceutical Dosage Forms and Drug Delivery Systems, Loyd Allen, latest edition

- 3- Recent articles

Student assessment:

- 1-Attendance, class works and exams: 35%

3-Final exam (multiple-choice questions, descriptive questions):multiple-choice and descriptive questions: 65%

- All classes will be held in Besarati (Eastern 7) street, North Shahin Boulevard

Course title:

	subject	Professor	Date	Time
1	Suspensions: introduction, definition, main mechanisms, The DLVO theory, And Particle movement in suspensions, Dispersability issues	Dr. ZohrehMohammadi	28-06-1403	10-13
2				
3	General suspension formulation considerations, Stability considerations for suspensions And nanosuspensions	Dr. ZohrehMohammadi	04-07-1403	10-13
4				
5	Emulsions and nanoemulsions: introduction, formation mechanisms, And Pharmaceutical emulsions and their formulations	Dr. ZohrehMohammadi	11-07-1403	10-13
6				
7	Emulsifying agents And Emulsion processing and stability	Dr. ZohrehMohammadi	18-07-1403	10-13
8				
9	Introduction to solutions, Pharmaceutical solutions: solvent system, drug, excipients,	Dr. Ahmad Reza Barazesh	25-07-1403	10-13
10				
11	Parental drug delivery: introduction, definition, different routes, Absorption from injection sites And Pharmacopoeial requirements of parental dosage forms	Dr. Ahmad Reza Barazesh	02-08-1403	10-13
12				
13	Formulation of parental dosage forms And Sterilization And Pyrogens and depyrogenation	Dr. Ahmad Reza Barazesh	09-08-1403	10-13
14				

15 ,16	Clean rooms: definition, classification, standards and controls	Dr Ahmad Reza Barazesh	23-08-1403	10	13
17	Nasal drug delivery (1): introduction, various delivery systems And	Dr. Zohreh Mohammadi	30-08-1403	10	13
18	Nasal drug delivery (2): anatomical, physiological and formulation factors.				
19	Ocular drug delivery(1): introduction and basic principles And	Dr. Zohreh Mohammadi	07-09-1403	10	13
20	Ocular drug delivery(2): Various preparations and their formulations And				
21	Ocular drug delivery(3): Improving drug solubility and absorption in ophthalmic preparations				
22	Pharmaceutical packaging (1): introduction and basic principles And	Dr. Zohreh Mohammadi	14-09-1403	10	13
23	Pharmaceutical packaging (2): packaging materials				