

In the name of GOD

Department of

School of pharmacy

Course title: Pharmaceutics 3 (Practice)

Credit (Theory or Practical): 3 (theory)

Prerequisite: pharmaceutics 1

Course lecturers: Dr Homa Faghihi

Responsible lecturer: Dr Homa Faghihi

Student responsibilities

- 1: Presence and preparation of the formulations
- 2: Writing lab reports and asked projects
- 3: Practical and written final exam

Course description

Course objectives: Training students for further activities in industry specifically in preparation and qualification of liquid dosage forms namely syrups, elixirs, suspension and emulsions besides preparing them with the concept of sterile production, aseptic processing and quality control aspects of liquid dosage forms.

Students are expected to: Be familiar with different types of liquid dosage forms, their specifications, formulation components as well as pros and cons of each type in detail.

Course title: Wednesday 14-16

	Subject	Professor	Date
1	Preparation of diphenhydramine syrup and evaluating its quality	Dr. Homa Faghihi	16 Mehr 1404
2	Preparation of acetaminophen elixir and evaluating its quality	Dr. Homa Faghihi	23 Mehr 1404
3	Preparation of magnesium sulfate injectable solution and evaluating its quality	Dr. Homa Faghihi	30 Mehr 1404
4	Preparation of gentamicin ophthalmic solution and evaluating its quality	Dr. Homa Faghihi	7 Aban 1404
5	Preparation of acetaminophen suspension and evaluating its quality	Dr. Homa Faghihi	14 Aban 1404
6	Making emulsions with natural emulsifiers	Dr. Homa Faghihi	21 Aban 1404
7	Making an emulsion with a synthetic emulsifier	Dr. Homa Faghihi	28 Aban 1404
8	Making two commercial formulations of liquid dosage forms	Dr. Homa Faghihi	5 Azar 1404

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.

Notes:

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

The absence hours of a student should not exceed 4/17 in theoretical, 2/17 in practical and laboratorial. Otherwise, the score for that course or section will be considered as zero.

Note 1: allowed absences are accepted provided that students bring in documents for that and the related professor approves it. Acting against absences (either excused or not) will be the decision of the professor and agreement of the college.