

Faculty of Medicine



FARM2212 **Pharmaceutics**

[60h+28h exercises] 8 credits

This course is taught in the 1st and 2nd semester

Teacher(s): Véronique Prémat
Language: French
Level: Second cycle

Aims

The aim of the course is to train the students to the formulation, manufacture and control of pharmaceutical dosage forms on the basis on the physicochemistry and bio-pharmacy knowledges acquired.

The topics detailed in course include liquid pharmaceutical and ophthalmic preparations, solid dosage forms (tablets and capsules for oral route, rectal forms, transdermal systems) as well as dispersed systems (emulsions with a special emphasis on dermatological forms, suspensions and aerosols including inhalers).

Main themes

The topics approached include/understand: the dosage forms liquidate (solutions with spoken usage, injectable and ophtamic forms); the systems dispersés(emulsions including the dermatological rpéparations, suspensions and aerosols); solid dosage forms (solid forms with spoken usage, forms of rectal use). For each form, the principles of the formulation, the excipients, the methods of preparation and controls are approached.

Content and teaching methods

The course of pharmaceutics includes the formulation, manufacture and control of conventional pharmaceutical dosage forms. The course will be taught in auditorium.

A personal work of the student is required for the pharmaceutical calculations.

During the practical training, the student will prepare the most common preparations produced in pharmacy open to the public.

Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Prerequisite

Physicochemistry, pharmacokinetic and bio-pharmacy

Evaluation

Course: Oral exam (2 written general questions and oral interview)

Practical training: 4 pharmaceutical forms commonly prepared in pharmacy

Other credits in programs

FARM22	Deuxième année du grade de pharmacien	(8 credits)	Mandatory
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