

## DISPENSING PHARMACY PHARMACEUTICAL PRACTICE

Code number: NP18-30

Cycle: UNDERGRADUATE STUDIES

Semester: 4<sup>th</sup>

Course type

	Background/General knowledge
X	Scientific area (pharmacy)

Credit Units (ECTS): 4

Lectures (hours/week): 3

Tutorial (hours/week):

Laboratory work (hours/week): 2

Course coordinator: Fatouros Dimitrios, professor

Tutor (s): Fatouros Dimitrios, professor, e-mail: [dfatouro@pharm.auth.gr](mailto:dfatouro@pharm.auth.gr)

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**Aims of the course:** The main target of the dispensing is the acquisition of the necessary knowledge for the recognition and comprehension of the prescriptions following by the preparation of the appropriate technological formulation.

**Skills:** Acquisition of the necessary knowledge and possibilities for the recognition either of the raw material that are used in the different types preparations of the technological formulations, as far as the evolvement of the student skills in the management of the different preparation methods of the formulations. Nevertheless the students will be familiarized with the handling of the different laboratory apparatus and implements.

**Teaching methods:** Lectures and Laboratory exercises.

**Contents of the course:** Prescription, Dispensing, dosimetry, Pharmacopoeia, Formulations liquid, solids, aromatic waters, solutions, drops, syrup, emulsions, suspensions, ointments, pastae, suppositories, tablets, capsules, extractions, essential oils, labels, medicinal gas, bandages, incompatibilities, dispensing problems.

**Proposed literature:** GALENIC PHARMACY

**Educational activities:** Attendance of the lectures and the Laboratory exercises.

**Evaluation process and methods:** Attendance of the Laboratory exercises regularly, writing and presentations of specified reports; evaluation. Written exams at the end of the semester

**Use of ICTs (Information and Communication Technologies) / Electronic distribution of the lectures.** Certain lectures are carried on with the use of electronic applications

**Teaching:**

A) Lectures. Two hours per week in the Δ12 classroom of the School of Science

Lecture	Title	Tutor
1	Introduction, dispensing	All tutors
2	Prescriptions, Liquid formulations	All tutors
3	Syrup, emulsions, suspension	All tutors
4	Ointments, crèmes	All tutors
5	Suppositories	All tutors
6	Tablets, capsules	All tutors
7	Parenterally	All tutors
8	Extractions	All tutors
9	Essential oils	All tutors
10	Essential oils winning	All tutors
11	Packing materials	All tutors
12	Labels, Bandages	All tutors
13	Incompatibility	All tutors

#### B) Laboratory work

Laboratory	Title	Tutor
1	Formulation of different Preparations	All tutors
2	Formulation of different Preparations	All tutors
3	Formulation of different Preparations	All tutors
4	Formulation of different Preparations	All tutors
5	Formulation of different Preparations	All tutors
6	Formulation of different Preparations	All tutors