



University of Patras

UNDERGRADUATE STUDIES PROGRAM

The Undergraduate Studies program is constructed by the General Assembly of our Department. The duration of undergraduate studies in Pharmacy is 5 years (ten semesters). During each semester students have to follow 5 to 6 courses with a total of around 24-30 hrs attendance per week.

All the courses are mandatory. A course may consist of only lectures or lectures and practical work (laboratory). The examination can only be taken after the successful completion of the laboratory work. The laboratory work usually includes six to nine experimental cases per semester. The number of credits we assign to each course is dictated by a regulation of Greek Law for Higher Education [1268/82] which states that 1 credit corresponds to 1 hr lecture per week per semester or 2 hrs of laboratory practice per week per semester. Lectures are attended by students at will, whereas attendance of laboratory is mandatory. A course is considered as being successfully passed only when the student has acquired at least the grade 5 out of 10 in the associated examinations. The minimum passing grade is 5, and all the grades are expressed as integers. However, a course associated with laboratory work, also requires successful completion of the labwork and for the final mark both the grade in the examination and the laboratory performance are considered with factors which vary from lab to lab.

During their final year, in addition to the courses they attend, the students have to carry out a short research project called Diploma Thesis under the supervision of a member of the academic staff. At the end of this project students have to provide a written account of their results and often present them, in most cases orally, in public. A student is considered as having completed his/her studies only when he/she has passed all the examinations associated with all courses included in our curriculum.

The time schedule of each semester and exam periods is defined by the University Senate before the beginning of each academic year.

FIRST YEAR (revised)

Semester I

- UGR-111 General and Inorganic Chemistry
- UGR-112 Physics
- UGR-113 Informatics
- UGR-114 Applied Mathematics
- UGR-115 Botantics
- UGR-116 Introduction to Pharmaceutical Sciences
- UGR-117 Foreign Language I

Semester II

- UGR-121 Analytical Chemistry
- UGR-122 Organic Chemistry
- UGR-123 Biochemistry I
- UGR-124 Cellular Biology
- UGR-125 Morphology of Human Body
- UGR-126 Foreign Language II

SECOND YEAR (revised)

Semester III

- UGR-211 Synthetic Organic Chemistry
- UGR-212 Biochemistry II
- UGR-213 Physiology I
- UGR-214 Physical Chemistry
- UGR-215 General & Analytical Chemistry Laboratory
- UGR-214 Foreign Language III

Semester IV

- UGR-221 Pharmaceutical Chemistry I
- UGR-222 Pharmaceutical Microbiology
- UGR-223 Physical Pharmacy
- UGR-224 Molecular Biology - Genetics
- UGR-225 Physiology II
- UGR-226 Foreign Language IV

THIRD YEAR (under revision)

Semester V

- UGR-311 Pharmaceutical Chemistry I
- UGR-312 Biochemistry II
- UGR-313 Separation Techniques and Electrochemical Analysis
- UGR-314 Chemistry of Natural Products
- UGR-315 Physical Pharmacy
- UGR-316 Methodology of Isolation and Identification of Natural Products I

Semester VI

- UGR-321 Pharmaceutical Chemistry II
- UGR-322 Organic Spectroscopy and Spectrometry
- UGR-323 Pharmacology I

- UGR-324 Clinical Chemistry
- UGR-325 Pharmaceutical Microbiology
- UGR-326 Pharmaceutical Technology I
- UGR-327 Pharmaceutical Immunology

FOURTH YEAR (under revision)

Semester VII

- UGR-411 Pharmaceutical Chemistry III
- UGR-412 Pharmacognosy I
- UGR-413 Pharmacology II
- UGR-414 Pharmaceutical Technology II
- UGR-415 Clinical Pharmacy
- UGR-416 Pharmaceutical Biotechnology

Semester VIII

- UGR-421 Toxicology
- UGR-422 Instrumental Analysis Laboratory
- UGR-423 Chemistry and Technology of Cosmetics
- UGR-424 Biopharmaceutics and Pharmacokinetics
- UGR-425 Pharmacognosy II
- UGR-426 Pharmaceutical Chemistry IV
- UGR-427 Methodology of Isolation and Identification of Natural Products II

FIFTH YEAR (under revision)

Semester IX

- UGR-511 Molecular Pharmacology I
- UGR-512 Pharmaceutical Practice I
- UGR-513 Diplomatic Thesis I

Semester X

- UGR-521 Basic Principles in physics of Nuclear Pharmacy and Radiopharmacy
- UGR-522 Pharmaceutical Practice II
- UGR-523 Diplomatic Thesis II
- UGR-524 Molecular Pharmacology II

DESCRIPTION OF UNDERGRADUATE COURSES

POSTGRADUATE STUDIES PROGRAM

POSTGRADUATE STUDIES PROGRAM OF DEPARTMENT OF PHARMACY

INTERDEPARTMENTAL POSTGRADUATE STUDIES PROGRAM in
MEDICINAL CHEMISTRY : DRUG DESIGN AND DEVELOPMENT

INTERDEPARTMENTAL POSTGRADUATE STUDIES PROGRAM in
ISOLATION AND SYNTHESIS OF BIOACTIVE NATURAL PRODUCTS

GRADUATE STUDIES PROGRAM

Graduate studies in the Department of Pharmacy lead to :

- A. Postgraduate Diploma of Specialization, PDS and**
- B. Doctorate Degree, Ph.D.**

A. Postgraduate Diploma of Specialization

Currently there are five specializations available:

1. Industrial Pharmaceutics and Drug Analysis
2. Pharmaceutical Chemistry-Natural Products: Design, Synthesis and Analysis of Bioactive Compounds
3. Molecular Pharmacology - Clinical Pharmacy
4. Pharmaceutical Biotechnology and Biomedicine
5. Pharmaceutical Marketing

B. Doctorate Degree

More information will be soon available