

SCHOOL OF PHARMACY

PRODUCTION AND QUALITY CONTROL OF PHARMACEUTICAL SUBSTANCES

A two years graduate program for a specialist degree in Pharmacy organized by the Division of Pharmaceutical Chemistry, School of Pharmacy, University of Athens in collaboration with the Division of Pharmaceutical Chemistry, University of Thessaloniki.

OBJECTIVES

The principal objectives of this program is to provide contemporary and relevant graduate education in order to produce specialists in the area of production and the quality control of drugs.

The program ensures a curriculum, which provides: basic coursework, laboratory training and research. Thus, graduates are well-rounded in all facets of the discipline and become well- trained for the Pharmaceutical Industry.

Students get acquainted with the design and development of new entities of pharmaceutical interest, the mechanisms of action of molecules of biological interest on their active sites and the Quality Control of Pharmaceutical Substances.

ORGANISATION OF THE PROGRAM

Duration: Four semesters

Maximum Capacity: 15 students

Admission Requirements: Diploma in Pharmacy, Chemistry, Chemical Engineering, Biology or relevant degree from Technical Universities.

Candidature selection: Upon C.V. and interview

Evaluation: Final exams, Thesis dissertation

DEGREE REQUIREMENTS

Students should complete 44 E.C.T.S of theoretical courses.

A laboratory research project under the direction of a member of the faculty, three semester full time term and Thesis Dissertation.

PROGRAM OF STUDY

Students enrolled in the program may choose one of two alternative pathways for graduate studies:

- Production of molecules of pharmaceutical interest
- Quality control of pharmaceutical agents

COURSES

Production of Molecules of Pharmaceutical interest

- Synthetic Pharmaceutical Chemistry
- Chemical Engineering Principles
- Biotechnology
- Spectroscopy
- Advanced Organic Chemistry
- Advanced Medicinal Chemistry
- Drug Metabolism and Development of New Drugs

Quality Control of Pharmaceutical Substances

- Quality Control
- Advanced Pharmaceutical Analysis (Separation, Spectroscopical, Electrochemical Methods)
- Stability Control
- Microbiological Assays
- Regulatory Affairs
- Chemometrics

Faculty Members

University of Athens

PROFESSORS

- G. B. Foscolos, Coordinator
- N. Kolocouris
- G. Fytas

ASSOCIATE PROFESSORS

- A. Antoniadou-Vyzas
- A. Vavayiannis
- P. Marakos
- E. Mikros
- N. Pouli
- A. Tsantili-Kakoulidou
- A. Tsotinis

ASSISTANT PROFESSORS

- M. Kazanis

- A. Kourounaki
- I. Loukas
- A. Kolocouris

LECTURERS

- I. Panderi

University of Thessaloniki

PROFESSOR

- E. Chiotellis

ASSOCIATE PROFESSORS

- V. J. Demopoulos
- A. Geronikaki
- D.Hadjipavlou-Litina
- E. Rekka