



UNIVERSITY OF  
**PATRAS**  
ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΑΤΡΩΝ

DEPARTMENT OF PHARMACY

SCHOOL OF HEALTH SCIENCES

UNIVERSITY OF PATRAS  
SCHOOL OF HEALTH SCIENCES  
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POSTGRADUATE PROGRAM: **DRUG DESIGN AND DEVELOPMENT**

**COURSE TITLE: DIPLOMA THESIS 02**  
**CODE: DPHA\_DIP2**

**DIPLOMA THESIS 02**  
**COURSE OUTLINE**

**1. GENERAL**

|   |   |                 |    |
|---|---|-----------------|----|
| <b>SCHOOL</b>                                   | HEALTH SCIENCES   |                 |    |
| <b>ACADEMIC UNIT</b>                            | DEPARTMENT OF PHARMACY  |                 |    |
| <b>PARTICIPATING INSTITUTIONS</b>               | -   |                 |    |
| <b>TITLE of POSTGRADUATE PROGRAM</b>            | DRUG DESIGN AND DEVELOPMENT   |                 |    |
| <b>LEVEL</b>                                    | POSTGRADUATE  |                 |    |
| <b>COURSE CODE</b>                              | DPHA_DIP2   | <b>SEMESTER</b> | C' |
| <b>COURSE TITLE</b>                             | DIPLOMA THESIS 02   |                 |    |
| <b>INDEPENDENT TEACHING ACTIVITIES</b>          | <b>WEEKLY TEACHING HOURS</b>  | <b>CREDITS</b>  |    |
| Work on MSc Thesis                              | -   | 30              |    |
| <b>COURSE TYPE</b>                              | Scientific field<br>Development of Skills   |                 |    |
| <b>PREREQUISITE COURSES</b>                     | -   |                 |    |
| <b>LANGUAGE of INSTRUCTION and EXAMINATIONS</b> | Greek.<br>(English for foreign students or Erasmus students)  |                 |    |
| <b>COURSE OFFERED to ERASMUS STUDENTS</b>       | YES   |                 |    |
| <b>COURSSE (URL)</b>                            | <a href="http://www.pharmacy.upatras.gr/images/DS/DPHA_DIP2_EN.pdf">http://www.pharmacy.upatras.gr/images/DS/DPHA_DIP2_EN.pdf</a> |                 |    |

**2. LEARNING OUTCOMES**

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|--|
| <b>Learning Outcomes</b>   |
| <p>Through their Thesis work, graduate students will choose the appropriate methodological approaches to solve research problems, taking advantage of the possibilities and infrastructure provided by the Laboratories of the Department, working both independently as well as part of the research team of the Laboratory which will integrate them.</p> <p>In parallel, they will be trained in the hands-on experimental application of techniques (chemical, biochemical / biological, analytical, technological, etc), with which they were familiarized during the previous semester of their MSc studies.</p> <p>The class Aims to train the students to understand and familiarize with the process of choosing and applying the appropriate technique and approach, as well as to train them in the global analysis of their results.</p> |
| <b>General Competences</b>   |
| <ul style="list-style-type: none"> <li>• Search for, analysis and synthesis of data and information, with the use of the necessary technologies</li> <li>• Adapting to new situations</li> </ul>   |

- Decision-making
- Working independently
- Team work
- Working in an international environment
- Working in an interdisciplinary environment
- Criticism and self-criticism
- Production of free, creative and inductive thinking
- Elaboration of new research ideas
- Project planning and management
- Respect for difference and multiculturalism

### 3. SYLLABUS

The content of each students Diploma Thesis I is determined by the nature and field of study associated with the Departmental Laboratory in which the student will be integrated.

The MSc student will use the Laboratory's and the Department's research infrastructure, as well as "central" facilities of the University of Patras, including the U Library, in combination with tools of bioinformatics and communication necessary to the accomplishment of the Thesis.

### 4. TEACHING and LEARNING METHODS - EVALUATION

|   |  |                          |
|---|--|--------------------------|
| <b>DELIVERY</b>   | Physical presence of students in the Laboratory (including Lab meetings etc)   |                          |
| <b>USE of INFORMATION and COMMUNICATIONS TECHNOLOGY</b> | Obligatory / necessary access in order to forward / exchange results, reports and scientific literature, as well as for the writing and checking of the Thesis text (e.g. to determine possible plagiarism via Turnitin, etc)  |                          |
| <b>TEACHING METHODS</b>                                 | <b>Activity</b>  | <b>Semester Workload</b> |
|   | Work on Thesis   | 500                      |
|   | Attendance of seminars and lectures  | 14                       |
|   | Writing up (composition) of Thesis text  | 235                      |
|   | Oral Presentation of Thesis  | 1                        |
|   | <b>Course Total<br/>(25 hours of work-load per ECTS credit)</b>  | <b>750</b>               |
| <b>STUDENT PERFORMANCE EVALUATION</b>                   | <p>The evaluation of the students during the elaboration of their Thesis is done by the monitoring and examination of their performance throughout their Thesis work.</p> <p>The criteria are strictly determined at the beginning (i.e. by the Supervisor and implicit agreement of the student). Since all the research work is done by physical presence in the lab, the student's activity is constantly monitored at every stage.</p> |                          |

### 5. RECOMMENDED BIBLIOGRAPHY

The Bibliography and Scientific Journals differ on a case-by-case basis and are selected according to relevance to the project to be carried out by the postgraduate student.