**COURSE OUTLINE**

1. **GENERAL**

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| **SCHOOL** | HEALTH SCIENCES | | | | |
| **DEPARTMENT** | BIOLOGICAL APPLICATIONS AND  TECHNOLOGY | | | | |
| **LEVEL OF STUDIES** | UNDERGRADUATE | | | | |
| **COURSE CODE** | BEY1002 | **SEMESTER** | | **10TH** | |
| **COURSE TITLE** | DIPLOMA THESIS – BIBLIOGRAPHICAL RESEARCH | | | | |
| **INDEPENDENT TEACHING ACTIVITIES** | | | **WEEKLY**  **TEACHING**  **HOURS** | | **CREDITS** |
| *Research Activities (bibliography review)* | | | N/A\* | | 30 |
| **COURSE TYPE** | SPECIALISED KNOWLEDGE | | | | |
| **PREREQUISITE COURSES:** | *For a student to apply for the commencement of the diploma thesis he/she should meet the following prerequisites that correspond to the first eight semesters of study:*  *(a) 161 TU if the acad. year of his/her registration is until 2007-08,*  *(b) 192 ECTS if the acad. year of his/her registration is 2008-09 or 2009-10 and*  *(c) 192 ECTS if the acad. year of his/her registration is from 2010-11 onwards.*  *Additionally, the supervisor may set extra criteria with regards to the successful completion of specific courses that are relevant to his/her research field.* | | | | |
| **LANGUAGE OF INSTRUCTION**  **and EXAMINATIONS:** | GREEK OR ENGLISH | | | | |
| **IS THE COURSE OFFERED TO**  **ERASMUS STUDENTS?** | YES | | | | |
| **COURSE WEBSITE (URL)** |  | | | | |

*\*N/A: Not Applicable*

1. **LEARNING OUTCOMES**

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| **Learning outcomes** |
| The aim is for the student to become familiar with the (in-depth) understanding and comparative evaluation of scientific data, the formulation of questions and the generation of innovative and research-based hypotheses. The student practices in the use of literature and of existing specialized knowledge, learns to draw specific or important conclusions from scientific texts, learns to compare approaches and theories and to organize a large amount of information in a comprehensible, purposeful manner. The student uses mainly primary sources (original experimental publications) and to a much lesser extent reviews, to add the result of this new effort to the existing Bibliography. The student gains experience in evaluating scientific data and writing a scientific text. During the elaboration of the Diploma Thesis it is recommended (but not obligatory) that the student participates in the research activity of the host laboratory for he/she to be able to connect successfully the theoretical knowledge to the corresponding practical applications. |
| **General Competences** |
| * Development of social professional and moral responsibility * Ability to develop new research ideas and research skills * Search, analysis and synthesis of data and information, using the necessary technologies * Time-management skills * Familiarity with autonomous work and teamwork * Development of critical ability and evaluation of experimental data for decision making * Adaptability to different environments and situations * Acquisition of knowledge about the working environment and working conditions |

1. **CONTENT**

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| The content depends on the research question and the scientific field of the Diploma Thesis. |

1. **TEACHING and LEARNING METHODS - EVALUATION**

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| **DELIVERY** | FACE-TO-FACE |
| **USE OF INFORMATION AND**  **COMMUNICATIONS TECHNOLOGY** | Specialized educational/research software - databases - results presentation software |
| **TEACHING METHODS** | |  |  | | --- | --- | | ***Activity*** | ***Semester workload (hours)*** | | Literature review and study | 200 | | Non-directed study | 400 | | Thesis writing | 160 | | Thesis presentation | 1 | | Course total | ***761*** | |
| **STUDENT PERFORMANCE**  **EVALUATION** | A three-member committee evaluates the work after the following   * *Presentation of the bibliography research* * *Oral examination* * *Thesis reading*   and grades   * The thesis * The presentation |

1. **SUGGESTED** **BIBLIOGRAPHY**

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| Depending on the science topic, appropriate international journals and books are selected. |