

## COURSE OUTLINE

### (1) GENERAL

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|---|---|-----------------------|---------|
| SCHOOL                                    | SCHOOL OF SCIENCES  |                       |         |
| ACADEMIC UNIT                             | DEPARTMENT OF MATHEMATICS   |                       |         |
| LEVEL OF STUDIES                          | UNDERGRADUATE PROGRAM   |                       |         |
| COURSE CODE                               |   | SEMESTER              | H       |
| COURSE TITLE                              | DISSERTATION OR UNDERGRADUATE THESIS  |                       |         |
| INDEPENDENT TEACHING ACTIVITIES           |   | WEEKLY TEACHING HOURS | CREDITS |
|   |   |                       | 13,5    |
| COURSE TYPE                               | Specialised general knowledge   |                       |         |
| PREREQUISITE COURSES:                     | NO  |                       |         |
| LANGUAGE OF INSTRUCTION and EXAMINATIONS: | GREEK   |                       |         |
| IS THE COURSE OFFERED TO ERASMUS STUDENTS | YES   |                       |         |
| COURSE WEBSITE (URL)                      | <a href="http://www.math.aegean.gr/index.php/en/academics/undergraduate-programs">http://www.math.aegean.gr/index.php/en/academics/undergraduate-programs</a> |                       |         |

### (2) LEARNING OUTCOMES

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| Learning outcomes  |
| With the completion of the thesis the student will be able to work with the mathematical bibliography, to study special mathematical problems and to express the results to his/her own way. Also, he has the ability to present his/her work publicly and to answer any questions related to it.  |
| General Competences  |
| Search for, analysis and synthesis of data and information, with the use of the necessary technology and bibliography. Working independently. Working in an interdisciplinary environment. Production of new free, creative and inductive thinking. Deep understanding of special issues. Preparation and presentation of oral presentation of the work. |

### (3) SYLLABUS

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### (4) TEACHING and LEARNING METHODS - EVALUATION

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| DELIVERY   | One-to-one meetings between the advisor and the student.    |                          |
| USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY |   |                          |
| TEACHING METHODS                                 | <b>Activity</b>   | <b>Semester workload</b> |
|  | Write up of the project                                     | 60                       |
|  | Preparation of the presentation                             | 32,5                     |
|  | Guided study  | 60                       |
|  | Independent study   | 130                      |
|  | Laboratory, computational study                             | 55                       |
|  | Course total (25 per ECTS)                                  | <b>337,5</b>             |
| STUDENT PERFORMANCE                              | The student presents his/her work to a public audience. The |                          |

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| EVALUATION | final evaluation is done by the three-member committee. |
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(5) ATTACHED BIBLIOGRAPHY

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