**COURSE OUTLINE**

1. **GENERAL**

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| **SCHOOL** | FINANCE AND STATISTICS |
| **ACADEMIC UNIT** | DEPARTMENT OF STATISTICS AND INSURANCE SCIENCE |
| **LEVEL OF STUDIES** | Graduate |
| **COURSE CODE** | **ΣΑΣΤΑ27** | **SEMESTER** | **3** |
| **COURSE TITLE** | DEMOGRAPHY |
| **INDEPENDENT TEACHING ACTIVITIES** *if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits* | **WEEKLY TEACHING HOURS** | **CREDITS** |
| LECTURES | 4 | 5 |
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| *Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).* |  |  |
| **COURSE TYPE***general background, special background, specialised general knowledge, skills development* | SPECIAL BACKGROUND |
| **PREREQUISITE COURSES:** | The following courses are recommended for comprehending the contents of the course: Descriptive Statistics – Basic knowledge of probability theory  |
| **LANGUAGE OF INSTRUCTION and EXAMINATIONS:** | GREEK |
| **IS THE COURSE OFFERED TO ERASMUS STUDENTS** | YES |
| **COURSE WEBSITE (URL)** | https://eclass.unipi.gr/courses/SAE136/ |

1. **LEARNING OUTCOMES**

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| **Learning outcomes** |
| *The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.**Consult Appendix A* * *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
* *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
* *Guidelines for writing Learning Outcomes*
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| The main aim of the course is to introduce demographic phenomena and their interaction with the socioeconomic environment as well as methods and techniques of demographic analysis. In this context, following successful completion of the course the students are expected to:* Have a knowledge of the phenomena related to population change
* Learn about sources of demographic data
* Use empirical data to estimate demographic measures and to assess their effects on the population structure and changes
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| **General Competences**  |
| *Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?* |
| *Search for, analysis and synthesis of data and information, with the use of the necessary technology* *Adapting to new situations* *Decision-making* *Working independently* *Team work**Working in an international environment* *Working in an interdisciplinary environment* *Production of new research ideas*  | *Project planning and management* *Respect for difference and multiculturalism* *Respect for the natural environment* *Showing social, professional and ethical responsibility and sensitivity to gender issues* *Criticism and self-criticism* *Production of free, creative and inductive thinking**……**Others…**…….* |
| Search for, analysis and synthesis of data and information, with the use of the necessary technology.Decision-making.Working independently. Production of new research ideas.Production of free, creative and inductive thinking. |

1. **SYLLABUS**

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| * Principles of demographic analysis and definitions.
* Cohort and period analysis.
* Sources of demographic data.
* Mortality measures.
* Life Tables.
* Fertility Measures.
* Balancing equation and over time change.
* Distribution by sex and age; age-pyramids.
* Applications.
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1. **TEACHING and LEARNING METHODS - EVALUATION**

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| **DELIVERY***Face-to-face, Distance learning, etc.* | Face-to-face (LECTURES) |
| **USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY** *Use of ICT in teaching, laboratory education, communication with students* | **e-class, email** |
| **TEACHING METHODS***The manner and methods of teaching are described in detail.**Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.**The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS* |

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| ***Activity*** | ***Semester workload*** |
| Lectures | 48 |
| Independent study | 102 |
| Course total  | ***150*** |

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| **STUDENT PERFORMANCE EVALUATION***Description of the evaluation procedure**Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other**Specifically-defined evaluation criteria are given, and if and where they are accessible to students.* | LANGUAGE OF EVALUATION: GreekEVALUATION METHODS: Final Writing Exam in the end of the semester.EVALUATION CRITERIA: *open-ended questions, problem solving.**Announced to the students at the first lecture.* |

1. **ATTACHED BIBLIOGRAPHY**

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| *- Suggested bibliography:*In Greek(1) Παπαδάκης Μ., Τσίμπος Κ. (2004) *Δημογραφική Ανάλυση, Αρχές - Μέθοδοι – Υποδείγματα*. Εκδόσεις Σταμούλη A.E. (2) Βύρων Κοτζαμάνης (2015) *Στοιχεία Δημογραφία*ς. Πανεπιστημιακές Εκδόσεις Θεσσαλίας *- Other Relevant bibliography*In English(4) Newell, C. (1988). Methods and Models in Demography, London: Belhaven Press. (5) Roland, D. T. (2003). Demographic Methods and Concepts, Oxford: Oxford University Press. (6) Weinstein, J. and V. K. Pillai (2001). Demography, The Science of Population. London: Allyn and Bacon.*- Related academic journals:* |