**COURCES 1st SEMESTER**

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| **Course Title** | **Teach. hours** | **ECTS** | **Cat** | **Domain** | **Instructor** | **Course Outline** |
| INTRODUCTION TO  PROBABILITY AND STATISTICS | 4 | 6 | COMP | STA | A. Karagrigoriou (Class A)  I. Triantafyllou (Class B) | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/1ο_ΣΑΠΘΣΤΑ-17_INTRODUCTION_TO_PROBABILITY_AND_STATISTICS_2024-2025.docx) |
| INTRODUCTION TO INSURANCE | 4 | 6 | COMP | INS | P. Xenos | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/1%CE%BF_%CE%A3%CE%91%CE%91%CE%A3%CE%A610_Introduction_to_Insurance_2023.docx) |
| CALCULUS I | 4 | 6 | COMP | MATH | V. Sevroglou | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/1%CE%BF_%CE%A3%CE%91%CE%9C%CE%91%CE%9803_CALCULUS_I_2023.docx) |
| LINEAR ALGEBRA | 4 | 6 | COMP | MATH | G. Iliopoulos (Class A)  I. Livieris (Class B) | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/1%CE%BF_%CE%A3%CE%91%CE%9C%CE%91%CE%98-17_LINEAR_ALGEBRA_2023.docx) |
| COMBINATORICS | 3 | 6 | EL | MATH | C. Evaggelaras | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/1%CE%BF_%CE%A3%CE%91%CE%9C%CE%91%CE%9860_COMBINATORICS_2023.docx) |
| INTRODUCTION TO ACCOUNTING | 4 | 6 | EL | ECO | N. Belesis (dep. BA) | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/1ο_ΣΑΛΟΓ03_Introduction_to_Accounting_2024-25.doc) |

**COURCES 2nd SEMESTER**

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| **Course Title** | **Teach. hours** | **ECTS** | **Cat** | **Domain** | **Instructor** | **Course Outline** |
| PROBABILITY I | 4 | 6 | COMP | PROB | D. Antzoulakos (Class Α)  M. Koutras (Class Β) | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/2ο_ΣΑΜΑΘ21-1_PROBABILITY_Ι_2024-25.docx) |
| MACROECONOMIC THEORY | 4 | 6 | COMP | ECO | O. Siskou | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/2ο_ΣΑΟΙΚ06_MACROECONOMIC_THEORY_2024-25.doc) |
| CALCULUS II | 4 | 6 | COMP | MATH | V. Sevroglou | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/2%CE%BF_%CE%A3%CE%91%CE%9C%CE%91%CE%9804_CALCULUS_II_2023.docx) |
| INTRODUCTION TO COMPUTER PROGRAMMING | 4 | 6 | COMP | INF | Ε. Kofidis  N. Pelekis | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/2ο_ΣΑΠΛΗ-17_Introduction_to-Computer_Programming_2024-25.docx) |
| BUSINESS INSURANCE | 4 | 6 | EL | INS | P. Xenos | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/2%CE%BF_%CE%A3%CE%91%CE%91%CE%A3%CE%A626-17_Business_Insurance_2023.docx) |
| APPLIED ALGEBRA | 4 | 6 | EL | MATH | 1. Livieris | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/2ο_ΣΑΜΑΘΑ-17_Applied-algebra_2024-25.docx) |
| INSURANCE LAW | 4 | 6 | EL | INS | Α. Sinanioti (Dep. BA) | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/2ο_ΣΑΔΙΚ04_Insurance_Law_2024-25.docx) |

**COURCES 3rd SEMESTER**

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| --- | --- | --- | --- | --- | --- | --- |
| **Course Title** | **Teach. hours** | **ECTS** | **Cat** | **Domain** | **Instructor** | **Course Outline** |
| PROBABILITY II | 4 | 6 | COMP | PROB | M. Koutras   (Class A)  D. Antzoulakos (Class B) | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/3ο_ΣΑΜΑΘ22-1_PROBABILITY_ΙI_2024-25.docx) |
| SOCIAL INSURANCE | 4 | 6 | EL | INS |  | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/3o_%CE%A3%CE%91%CE%91%CE%A3%CE%A631_SOCIAL_INSURANCE_2023.docx) |
| DEMOGRAPHY | 4 | 6 | EL | DEM |  | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/3o_%CE%A3%CE%91%CE%A3%CE%A4%CE%9127_DEMOGRAPHY_2023.docx) |
| MICROECONOMIC THEORY | 4 | 6 | EL | ECO | Μ. Tselekounis (dep. FIN) | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/3ο_ΣΑΟΙΚ05-1_Microeconomic_Theory_2024.docx) |
| INTRODUCTION FINANCIAL MATHEMATICS | 4 | 6 | EL | ECO | V. Sevroglou | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/3%CE%BF_%CE%A3%CE%91%CE%A7%CE%A1%CE%97%CE%9F%CE%99%CE%9A-17_Financial_Mathema_tics_2023.docx) |
| NUMERICAL ANALYSIS | 4 | 6 | EL | INF | Ε. Kofidis | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/3ο_ΣΑΜΑΘ33_Numerical_Analysis_2024-25.docx) |
| DATA MANAGEMENT | 4 | 6 | EL | INF | Ν. Pelekis | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/3o_%CE%A3%CE%91%CE%A0%CE%9B%CE%97%CE%94%CE%95-17_Data__Management_2023.docx) |
| SPECIAL TOPICS APPLIED MATHEMATICS | 3 | 6 | EL | MATH |  | DOC |

**COURCES 4th SEMESTER**

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| **Course Title** | **Teach. hours** | **ECTS** | **Cat** | **Domain** | **Instructor** | **Course Outline** |
| ACTUARIAL MODELS  FOR LIFE CONTINGENCIES I | 4 | 6 | COMP | ACT | Ε. Chadjikonstantinidis (Class A)  G. Psarrakos (Class B) | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/4%CE%BF_%CE%A3%CE%91%CE%91%CE%A3%CE%A603-17_ACTUARIAL_MODELS_FOR_LIFE_CONTINGENCIES_I_2023.docx) |
| STATISTICS I: ESTIMATION THEORY | 4 | 6 | COMP | STA | G. Tzavelas (Class A)  Α. Rakitzis (Class B) | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/4ο_ΣΑΣΤΑ07_Statistics_I_Estimation_Theory_2024-25.docx) |
| STOCHASTIC PROCESSES | 4 | 6 | COMP | PROB | Μ. Boutsikas | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/4%CE%BF_%CE%A3%CE%91%CE%A3%CE%A4%CE%9111_Stochastic_Processes_2023.docx) |
| CORPORATE FINANCE | 4 | 6 | EL | ECO | Ν. Tsagarakis (dep. BA) | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/4%CE%BF_%CE%A3%CE%91%CE%A7%CE%A1%CE%9711_CORPORATE_FINANCE_English_2023.doc) |
| PERSONAL INSURANCE | 4 | 6 | EL | ACT | P. Xenos | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/4o_%CE%A3%CE%91%CE%91%CE%A3%CE%A6%CE%A6%CE%A0-17_Personal_Insurance_2023.docx) |
| DIFFERENTIAL EQUATIONS | 3 | 6 | EL | MATH | \*\* | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/MH_%CE%A0%CE%A1%CE%9F%CE%A3%CE%A6%CE%95%CE%A1%CE%9F%CE%9C%CE%95%CE%9D%CE%91/4%CE%BF_%CE%A3%CE%91%CE%9C%CE%91%CE%9816_DIFFERENTIAL_EQUATIONS_2023.docx) |
| OPTIMIZATION | 4 | 6 | EL | MATH | Ε. Kofidis | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/4ο_ΣΤΑΕΡ01_Optimization_2024-25.docx) |
| ENTERPRENEURSHIP | 4 | 6 | EL | GEN | I. Pollalis (dep. FIN) | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/4%CE%BF_%CE%A3%CE%91%CE%93%CE%95%CE%9D41_Entrepreneurship-2023.docx) |
| INFORMATION SYSTEMS | 3 | 6 | EL | INF | N. Pelekis | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/4o_%CE%A3%CE%91%CE%A0%CE%9B%CE%9751-17_Information_Systems_2023.docx) |

**COURCES 5th SEMESTER**

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| **Course Title** | **Teach. hours** | **ECTS** | **Cat** | **Domain** | **Instructor** | **Course Outline** |
| ACTUARIAL MATHEMATICS | 4 | 6 | COMP | ACT | E.Chadjikonstantinidis | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/5%CE%BF_%CE%A3%CE%91%CE%9C%CE%91%CE%9807_ACTUARIAL_MATHEMATICS_2023.docx) |
| STATISTICS II: HYPOTHESIS TESTING | 4 | 6 | COMP | STA | G. Iliopoulos | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/5%CE%BF_%CE%A3%CE%91%CE%A3%CE%A4%CE%91503_Statistics_II_Hypothesis_Testing_2023.docx) |
| PRICING HEALTH INSURANCE PRODUCTS | 4 | 6 | EL | ACT | A. Bozikas | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/5%CE%BF_%CE%A3%CE%91%CE%A4%CE%91%CE%91%CE%A3%CE%A6-17_HEALTH_INSURANCE_PRICING_2023.docx) |
| ACTUARIAL MODELS FOR LIFE CONTINGENCIES II | 4 | 6 | EL | ACT | D. Antzoulakos | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/5ο_ΣΑΑΣΦ04-17_ACTUARIAL_MODELS_FOR_LIFE_CONTINGENCIES_II_2024-25.docx) |
| BUSINESS ADMINISTRATION | 3 | 6 | EL | GEN | F. Ntalianis (dep. BA) | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/5ο_ΣΑΟΔΕ03_-PRINCIPLES-OF-BUSINESS-ADMINISTRATION_2024-25.docx) |
| SPECIAL TOPICS IN DEMOGRAPHY | 3 | 6 | EL | DEM |  | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/5o_%CE%A3%CE%91%CE%A3%CE%A4%CE%9155_SPECIAL_TOPICS_IN_DEMOGRAPHY_2023.doc) |
| MARKETING RESEARCH | 3 | 6 | EL | GEN | M. Tsogas (dep. BA) | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/5%CE%BF_%CE%A3%CE%91%CE%93%CE%95%CE%9D51_Marketing_Research_2023.docx) |
| RELIABILITY THEORY | 3 | 6 | EL | STA | Α. Rakitzis | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/4ο_ΣΤΑΕΡ01_Optimization_2024-25.docx) |
| SPECIAL TOPICS IN STOCHASTIC PROCESSES | 4 | 6 | EL | STA |  |  |
| ECONOMICS OF INSURANCE | 4 | 6 | EL | INS | P. Tinios | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/5%CE%BF_%CE%A3%CE%91%CE%91%CE%9D%CE%9161_INSURANCE_ECONOMICS_2023.docx) |
| SAMPLING METHODS AND  TECHNIQUES | 4 | 6 | COMP | STA | G. Tzavelas | [DOC](https://www.unipi.gr/unipi/images/people/staff/gkapoti/6%CE%BF_%CE%A3%CE%91%CE%A3%CE%A4%CE%9149-2_METHODS_AND_SAMPLING_TECHNICS_2023-2024.docx) |

**COURCES 6th SEMESTER**

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| **Course Title** | **Teach. hours** | **ECTS** | **Cat** | **Domain** | **Instructor** | **Course Outline** |
| REGRESSION ANALYSIS | 4 | 6 | COMP | STA | C. Evaggelaras (Class Α), Μ. Koutras (Class Β) | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/6ο_ΣΑΣΤΑ06_REGRESSION_ANALYSIS_2024-25.docx) |
| LOSS DISTRIBUTIONS | 4 | 6 | COMP | STA | K. Politis (Class A)  E.Chadjikonstantinidis  (Class B) | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/6ο_ΣΑΣΤΑ56-17_LOSS_DISTRIBUTIONS_2024-25.docx) |
| CREDIBILITY THEORY | 4 | 6 | COMP | ACT | A. Bozikas | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/6%CE%BF__%CE%A3%CE%91%CE%A3%CE%A4%CE%9157_CREDIBILITY_THEORY_2023.docx) |
| CAPTITAL AND MONEY MARKETS co-teaching with «MONEY AND BANKS», dep. FIN) | 4 | 6 | EL | ECO | D. Mallaropoulos  D. Voliotis(FIN) | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/6ο_ΣΑΟΙΚ12_CAPTITAL_AND_MONEY_MARKETS__2024-25.docx) |
| TIME SERIES ANALYSIS | 4 | 6 | EL | STA | 1. Karagrigoriou | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/6ο_ΣΑΣΤΑ47-17_TIME_SERIES_2024-2025.docx) |
| TEACHING STATISTICS | 3 | 6 | EL | GEN | E. Tsami | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/6%CE%BF_%CE%A3%CE%91%CE%93%CE%95%CE%9D61_Did_statistics_2023.docx) |
| SPECIAL TOPICS IN PROBABILITY | 3 | 6 | EL | STA | Κ. Politis | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/6%CE%BF_%CE%A3%CE%91%CE%9C%CE%91%CE%9824-1_SPECIAL_TOPICS_IN_PROBABILITY_2023.docx) |
| LIFE INSURANCES | 4 | 6 | EL | ACT | P. Chatzopoulos | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/6%CE%BF_%CE%A3%CE%91%CE%91%CE%A3%CE%A600-17_Life_insurance_2023.docx) |
| SPECIAL TOPICS IN FINANCE | 4 | 6 | EL | FIN | \*\* | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/6%CE%BF_%CE%A3%CE%91%CE%9F%CE%99%CE%9A%CE%A7%CE%A1-17_SPECIAL_TOPICS_IN_FINANCIAL_MATHEMATICS_2023.docx) |
| POPULATION GEOGRAPHY | 3 | 6 | EL | DEM | G. Verropoulou | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/6o_%CE%A3%CE%91%CE%A3%CE%A4%CE%9159_POPULATION_GEOGRAPHY_2023.doc) |
| STATISTICAL QUALITY CONTROL | 3 | 6 | EL | STA | A. Rakitzis | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/6ο_ΣΑΣΤΑ58_Statistical_Quality_Control__2024-25.docx) |
| MULTIVARIATE ANALYSIS | 4 | 6 | EL | ECO | I. Triantafylou | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/6ο_ΣΑΣΤΑ14_Multivariate_Analysis_2024-2025.docx) |

**COURCES 7th SEMESTER**

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| **Course Title** | **Teach. hours** | **ECTS** | **Cat** | **Domain** | **Instructor** | **Course Outline** |
| STATISTICAL PACKAGES I | 4+2 | 6 | COMP | STA | E. Androulakis  (Class Α)  Evaggelaras C (Class Β) | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/7ο_ΣΑΣΤΑ31-17_STATISTICAL_PACKAGES_I_2024-25-1.docx) |
| RATEMAKING AND LOSS RESERVING | 4 | 6 | COMP | STA | G. Pitselis (Class Α)  A. Bozikas (Class Β) | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/7%CE%BF_%CE%A3%CE%91%CE%A4%CE%91%CE%A0%CE%98-17_RATEMAKING_AND_LOSS_RESERVING_2023.docx) |
| RISK MANAGEMENT | 4 | 6 | COMP | ACT | M. Mpoutsikas | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/7o_%CE%A3%CE%91%CE%91%CE%9D%CE%9183-17_Risk_Management_2023.docx) |
| RUIN THEORY | 4 | 6 | EL | ACT | G. Psarrakos | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/7%CE%BF_%CE%A3%CE%91%CE%91%CE%9D%CE%9171_Ruin_theory_2023.docx) |
| ANALYSIS OF VARIANCE | 4 | 6 | EL | STA | K. Politis | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/7%CE%BF_%CE%A3%CE%91%CE%A3%CE%A4%CE%9108_ANALYSIS_OF_VARIANCE_2023.docx) |
| PENSION SCHEMES | 4 | 6 | EL | ACT | G. Pitselis | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/7%CE%BF_%CE%A3%CE%91%CE%A3%CE%A5%CE%A3-17_PENSION_PLANS_2023.docx) |
| ACTUARIAL MODELING | 3 | 6 | EL | ACT | P. Chatzopoulos | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/MH_%CE%A0%CE%A1%CE%9F%CE%A3%CE%A6%CE%95%CE%A1%CE%9F%CE%9C%CE%95%CE%9D%CE%91/7o_%CE%A3%CE%91%CE%91%CE%9D%CE%9174_ACTUARIAL_MODELLING_2023.docx) |
| STOCHASTIC ANALYSIS | 4 | 6 | EL | ACT | G. Papagiannis | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/7ο_ΣΑΣΤΑ82_Stochastic_Analysis_2024-25.docx) |
| SPECIAL TOPICS IN INSURANCE | 3 | 6 | EL | ACT | \*\* |  |
| BIOSTATISTICS | 3 | 6 | EL | STA | E. Androulakis | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/7ο_ΣΑΣΤΑ23-2_Biostatistics_2024-25.docx) |
| SPECIAL TOPICS IN STATISTICS | 3 | 6 | EL | STA | G. Tzavelas | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/7ο_ΣΑΣΤΑ37_SPECIAL_TOPICS_IN_STATISTICS_2024.docx) |
| INTERNSHIP PROGRAMME FOR THE DEPARTMENT OF STATISTICS AND INSURANCE SCIENCE | 3 | 6 | EL |  | P. Tinios |  |
| STATISTICAL MACHINE LEARNING | 4 | 6 | EL | INF | 1. Karagrigoriou | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/7o_ΣΑΘΕΜΕΔ-17_STAT_MACHINE_LEARNING_2024-25.docx) |

**COURCES 8th SEMESTER**

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| --- | --- | --- | --- | --- | --- | --- |
| **Course Title** | **Teach. hours** | **ECTS** | **Cat** | **Domain** | **Instructor** | **Course Outline** |
| NON PARAMETRIC STATISTICS | 4 | 6 | COMP | STA | I. Triantafyllou | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/8o_Σ_ΑΣΤΑ12-17_Non_Parametric_Statistics_2024-2025.docx) |
| STATISTICAL PACKAGES II | 4 | 6 | COMP | STA | E. Androulakis | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/8ο_ΣΑΣΤΑ52-17_Statistical_Packages__II_2024-25.docx) |
| ACTUARIAL SURVIVAL MODELS | 4 | 6 | EL | ACT | G. Psarrakos | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/8%CE%BF_%CE%A3%CE%91%CE%91%CE%9D%CE%9181_Actuarial_Survival_Models_2023.docx) |
| POPULATION AGEING AND INSURANCE ECONOMY | 3 | 6 | EL | INS | P. Tinios | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/8%CE%BF_%CE%A3%CE%91%CE%91%CE%A3%CE%A672_POPULATION_AGEING_AND_THE_INSURANCE_ECONOMY_2023.docx) |
| SPECIAL TOPICS IN ACTUARIAL THEORY | 3 | 6 | EL | ACT | G. Pitselis | [DOC](https://www.unipi.gr/unipi/images/people/staff/gkapoti/8%CE%BF_%CE%A3%CE%91%CE%91%CE%9D%CE%9182_Special_Topics_in_Actuarial_2023-2024.docx) |
| THEORY AND PRACTICE OF REINSURANCE | 3 | 6 | EL | ACT | G. Papagiannis | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/8ο_ΣΑΑΝΑ85_Reinsurance_Theory_and_Practice_2024-25.docx) |
| BAYESIAN STATISTICS | 4 | 6 | EL | STA | G. Iliopoulos | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/8%CE%BF_%CE%A3%CE%91%CE%A3%CE%A4%CE%9176_BAYESIAN_STATISTICS_2023_copy.docx) |
| FINANCIAL DERIVATIVES | 4 | 6 | EL | ECO | G. Papagiannis | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/8ο_ΣΑΟΙΚ71_Financial_Derivatives_2024-25.docx) |
| SIMULATION | 3 | 6 | EL | MATH | Μ. Mpoutsikas | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/8o_%CE%A3%CE%91%CE%A0%CE%9B%CE%9777_Simulation_2023.docx) |
| STATISTICS OF SOCIAL PHENOMENA | 4 | 6 | EL | DEM | G. Verropoulou | [DOC](https://www.unipi.gr/unipi/images/various/akad_tmim/stat_asfal/%CE%BC%CE%B1%CE%B8%CE%B7%CE%BC%CE%B1%CF%84%CE%B1/8%CE%BF_%CE%A3%CE%91%CE%A3%CE%A4%CE%9125_STATISTICS_OF_SOCIAL_PHENOMENA_2023.docx) |
| SPECIAL TOPICS IN RISK MANAGEMENT | 3 | 6 | EL | ACT | P. Chatzopoulos |  |
| STOCHASTIC FINANCE | 4 | 6 | EL | STA | \*\* | DOC |
| INTERNSHIP PROGRAMME FOR THE DEPARTMENT OF STATISTICS AND INSURANCE SCIENCE | 3 | 6 | EL |  | V. Sevroglou |  |
| TOPICS IN DATA SCIENCE | 3 | 6 | EL | INF | I. Livieris  N. Pelekis | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/8ο_ΣΑΘΕΜΕΔ-17_TOPICS_ΙΝ_DATA_SCIENCE_2024-25.docx) |
| ADVANCED MACHINE LEARNING TECHNIQUES | 3 | 6 | EL |  | I. Livieris | [DOC](https://www.unipi.gr/wp-content/uploads/2024/09/8ο_ΣΑΣΤΑΠΡ-24_Advanced-machine-learning-techniques_2024-25.docx) |

 \*\*The course is not offered the current semester