Department of Primary Education

University of Western Macedonia

**Courses offered to Erasmus+ students**

**Winter Semester**

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| Course Code: | Υ 105 |
| Semester: | Winter (1st) |
| Course Title: | Developmental Psychology  (Ψυχολογία της Ανάπτυξης) |
| ECTS | 4 |
| Name of Lecturer: | Pnevmatikos Dimitris  Πνευματικός Δημήτριος  dpnevmat@uowm.gr |
| Course Contents: | The central questions of developmental science, the discipline of developmental science, the role of the genes and of the environment, cognitive, social, moral and emotional development. Language acquisition. The constructivist framework, Piagetian theory, neo- Piagetians, information processing theories. The cultural context framework, Vygotsky. The Parent – child relationships and attachment theory. Self-concept, self-esteem, identities, and self-regulation. |

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| Course Code: | Υ 308 |
| Semester: | Winter (1st) |
| Course Title: | Elements of Arithmetic and Set Theory for Primary School  (Στοιχεία Αριθμητικής και Θεωρίας Αριθμών για Εκπαιδευτικούς) |
| ECTS | 4 |
| Name of Lecturer: | Nikolantonakis Konstantinos  Νικολαντωνάκης Κωνσταντίνος  knikolantonakis@uowm.gr |
| Course Contents: | The basic notions presented are: proportions, Problem solving theory. Measurements. 2D figures and 3D bodies and their applications. Volumes and areas. Pythagorean theorem. Circle. Angles. Similitude And Theorem of Thales. Geometrical transformations |

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| Course Code: | ΥE 337 |
| Semester: | Winter (3rd) |
| Course Title: | History of Mathematics and Mathematics Education  (Ιστορία των Μαθηματικών και Μαθηματική Εκπαίδευση) |
| ECTS | 4 |
| Name of Lecturer: | Nikolantonakis Konstantinos  Νικολαντωνάκης Κωνσταντίνος  knikolantonakis@uowm.gr |
| Course Contents: | Introduction of Elements from the history of Mathematics. European and non--‐European mathematical traditions. Summer, Greek, Arabic, Chinese and Hindu mathematical traditions. Medieval and renaissance European Mathematics. History of numbers and numerical systems, Practical and Experimental geometry. Abacus. Measures. |

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| Course Code: | Υ 112 |
| Semester: | Winter (7th) |
| Course Title: | Management, Administration and Assessment in Education  (Οργάνωση, Διοίκηση και Αξιολόγηση στην Εκπαίδευση) |
| ECTS | 5 |
| Name of Lecturer: | Iordanidis Georgios  Ιορδανίδης Γεώργιος  giordanidis@uowm.gr |
| Course Contents: | Introduction to the administration and management of education, conceptual definition of “management” and “administration” in education, the applications of administrative science in the Greek educational system, the primary school as organization, the “portrait” of the educational leader, the teaching staff of primary school, the motivation of teaching staff, the problem solving and decision making processes, the creation of school vision, the role of educational institutions. |

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| Course Code: | ΥE 349 |
| Semester: | Winter (7th) |
| Course Title: | Implementation of Sustainability Projects in the Primary School  (Εφαρμογή προγραμμάτων για την αειφορία στο Δημοτικό Σχολείο) |
| ECTS | 4 |
| Name of Lecturer: | Papanikolaou Anastasios  Παπανικολάου Αναστάσιος  apapanikolaou@uowm.gr |
| Course Contents: | Environmental Education/ Education for Sustainable Development (EE/ ESD): Issues and concerns. Principles, Goals and Characteristics of EE/ ESD programs. Modern teaching methods. Project method. Role playing. Field Study. Small-scale research. Digital storytelling. Designing, implementing and evaluating school activities for sustainability in the Greek Primary School. |

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| Course Code: | ΥE 435 |
| Semester: | Winter (5th) |
| Course Title: | Teaching Physical Education  (Διδασκαλία της Φυσικής Αγωγής) |
| ECTS | 5 |
| Name of Lecturer: | Tosounidis Antonios  Τοσουνίδης Αντώνιος  atosounidis@uowm.gr |
| Course Contents: | Physical education (PE) in primary school. Aims and objectives. The growing, developing and moving child. Perceptual-motor skills/abilities. Fundamental movements. Stages of skill acquisition. The structure of a daily lesson of PE. Interdisciplinary. Learning through movement. Teaching methodology. Physical games and activities. |

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| Course Code: | EE 334 |
| Semester: | Winter (7th) |
| Course Title: | Health Education  (Αγωγή Υγείας) |
| ECTS | 4 |
| Name of Lecturer: | Tosounidis Antonios  Τοσουνίδης Αντώνιος  atosounidis@uowm.gr |
| Course Contents: | <https://eclass.uowm.gr/courses/ELED385/> |

**Spring Semester**

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| Course Code: | ΥE 353 |
| Semester: | Spring (4th) |
| Course Title: | Elements of Geometry and Problem Solving  (Στοιχεία Γεωμετρίας και Επίλυση προβλήματος) |
| ECTS | 5 |
| Name of Lecturer: | Nikolantonakis Konstantinos  Νικολαντωνάκης Κωνσταντίνος  knikolantonakis@uowm.gr |
| Course Contents: | The basic notions presented are: proportions, Problem solving theory. Measurements. 2D figures and 3D bodies and their applications. Volumes and areas. Pythagorean theorem. Circle. Angles. Similitude And Theorem of Thales. Geometrical transformations |

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| Course Code: | Υ 202 |
| Semester: | Spring (6th) |
| Course Title: | Teaching Greek as a Second/ Foreign Language  (Διδασκαλία της Ελληνικής ως δεύτερης/ξένης γλώσσας) |
| ECTS | 4 |
| Name of Lecturer: | Griva Eleni  Γρίβα Ελένη  egriva@uowm.gr |
| Course Contents: | The course aims at familiarizing University students with second/foreign language learning processes as well as teaching approaches, methods and techniques, in order for them to be able in the future to apply these methods and techniques in respective educational contexts. |

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| Course Code: | ΥE 435 |
| Semester: | Spring (6th) |
| Course Title: | Teaching Physical Education  (Διδασκαλία της Φυσικής Αγωγής) |
| ECTS | 5 |
| Name of Lecturer: | Tosounidis Antonios  Τοσουνίδης Αντώνιος  atosounidis@uowm.gr |
| Course Contents: | Physical education (PE) in primary school. Aims and objectives. The growing, developing and moving child. Perceptual-motor skills/abilities. Fundamental movements. Stages of skill acquisition. The structure of a daily lesson of PE. Interdisciplinary. Learning through movement. Teaching methodology. Physical games and activities. |

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| Course Code: | EE 532 |
| Semester: | Spring (6th) |
| Course Title: | Practices of free/leisure-time pedagogy in out of school athletics  (Πρακτικές της Παιδαγωγικής του ελεύθερου χρόνου στον εξωσχολικό Αθλητισμό) |
| ECTS | 4 |
| Name of Lecturer: | Tosounidis Antonios  Τοσουνίδης Αντώνιος  atosounidis@uowm.gr |
| Course Contents: | <https://eclass.uowm.gr/courses/ELED375/> |