

Name of Program: Mathematics (B.Sc.)**Coordinator: Dr. Demetris Hadjiloucas**

Μαθήματα Γενικής Εκπαίδευσης		Instructor / CV
ENG101	Upper Intermediate English	Claire Georgiou
ENG102	Advanced English	Claire Georgiou
Μάθημα Γενικής Εκπαίδευσης		
Υποχρεωτικά Μαθήματα		
MAT119	Mathematical Foundations	Demetris Hadjiloucas Ioannis Michos Marina Appiou-Nikiforou Haris Christodoulou
MAT111	Infinitesimal Calculus I	Demetris Hadjiloucas Ioannis Michos Marina Appiou-Nikiforou Haris Christodoulou
MAT121	Infinitesimal Calculus II	Demetris Hadjiloucas Haris Christodoulou
MAT211	Differential Calculus of Several Variables	Demetris Hadjiloucas Haris Christodoulou
MAT221	Integral Calculus of Several Variables	Evangelos Papaefthymiou Haris Christodoulou
MAT113	Linear Algebra I	Ioannis Michos Maria Agroti Marina Appiou-Nikiforou
MAT123	Linear Algebra II	Ioannis Michos Maria Agroti Marina Appiou-Nikiforou
MAT213	Algebraic Structures I	Marina Appiou-Nikiforou Maria Agroti Ioannis Michos
MAT223	Algebraic Structures II	Marina Appiou-Nikiforou Maria Agroti Ioannis Michos
MAT112	Analysis I	Demetris Hadjiloucas Savvas Papapanayides Haris Christodoulou

MAT122	Analysis II	Demetris Hadjiloucas Savvas Papapanayides Haris Christodoulou
MAT222	Real Analysis	Demetris Hadjiloucas Savvas Papapanayides Maria Agroti
MAT312	Complex Analysis	Savvas Papapanayides Maria Agroti
MAT317	Introduction to Numerical Analysis	Kyriakos Paridis Maria Alanelli
MAT218	Mathematics with Computers	Kyriakos Paridis Maria Alanelli
CSC131	Programming Principles I	Kyriakos Paridis Andreas Grondoudis
MAT321	Ordinary Differential Equations	Savvas Papapanayides Evangelos Papaefthymiou Haris Christodoulou
MAT216	Introduction to Probability Theory	Demetris Hadjiloucas Ioanna Pelagia Andreas Papayiannis Haris Christodoulou
MAT316	Introduction to Statistics	Ioanna Pelagia Andreas Papayiannis Haris Christodoulou
MAT114	Analytic Geometry	Ioannis Michos
MAT324	Differential Geometry of Curves and Surfaces	Nataliya Ivanova Maria Agroti
MAT229	Introduction to Mathematics Education	Maria Myriantheos Maria Meletiou-Mavrotheris
Δέση Φυσικής Επιλογή δύο (2) μαθημάτων		
MAT156	Introduction to Mechanics	Haris Christodoulou Panayiotis Antoniou Evangelos Papaefthymiou Maria Agroti
MAT152	Introduction to Quantum Physics	Haris Christodoulou Panayiotis Antoniou
MAT153	Introduction to Astrophysics	Andreas Efstathiou
MAT154	Electromagnetism	Haris Christodoulou

		Evangelos Papaefthymiou
MAT155	Introduction to the General Theory of Relativity	Haris Christodoulou
Δέση Μαθηματικών Επιλογή <u>δέκα</u> (10) μαθημάτων		
MAT490	Senior Project	Demetris Hadjiloucas Ioannis Michos Marina Appiou-Nikiforou Haris Christodoulou
<u>Τομέας Μαθηματικής Ανάλυσης</u>		
MAT331	Functional Analysis	Demetris Hadjiloucas Savvas Papapanayides
MAT332	Measure Theory and Integration	Demetris Hadjiloucas Savvas Papapanayides
MAT333	Introduction to Topology	Demetris Hadjiloucas Savvas Papapanayides
MAT341	Introduction to Harmonic Analysis	Savvas Papapanayides
MAT342	Introduction to Dynamical Systems	Demetris Hadjiloucas Maria Agroti
<u>Τομέας Άλγεβρας – Γεωμετρίας</u>		
MAT351	Group Theory	Ioannis Michos Marina Appiou-Nikiforou Maria Agroti
MAT352	Ring and Module Theory	Ioannis Michos Nataliya Ivanova
MAT353	Galois Theory	Ioannis Michos Nataliya Ivanova
MAT354	Group Representation Theory	Nataliya Ivanova
MAT361	Number Theory	Ioannis Michos
MAT362	Algebraic Coding Theory	Ioannis Michos
MAT363	Introduction to Cryptography	Marina Appiou-Nikiforou
MAT355	Algebraic Topology	Nataliya Ivanova

Τομέας Εφαρμοσμένων Μαθηματικών		
MAT371	Applied Statistics	Ioanna Pelagia Andreas Papayiannis
MAT375	Stochastic Processes I	Demetris Hadjiloucas Andreas Papayiannis
MAT376	Stochastic Processes II	Demetris Hadjiloucas Andreas Papayiannis
MAT377	Numerical Linear Algebra	Kyriakos Paridis Maria Alanelli
MAT381	Graph Theory and Applications	Ioannis Michos Vicky Papadopoulou
MAT382	Combinatorics	Ioannis Michos
MAT387	Numerical Solution of Ordinary Differential Equations	Kyriakos Paridis Maria Alanelli
MAT392	Partial Differential Equations	Haris Christodoulou Evangelos Papaefthymiou
MAT393	Introduction to Fluid Dynamics	Evangelos Papaefthymiou
MAT391	Classical Mechanics	Maria Agroti Evangelos Papaefthymiou Haris Christodoulou
MAT394	Introduction to Mathematical Biology	Evangelos Papaefthymiou
MAT383	Game Theory	Vicky Papadopoulou
Δέση Διδακτικής των Μαθηματικών Επιλογή ενός (1) μαθήματος		
MAT326	Mathematics Teaching in Secondary Education	Maria Myriantheos Maria Meletiou-Mavrotheris
MAT327	Topics in Contemporary Mathematics	Maria Myriantheos Maria Meletiou-Mavrotheris
MAT328	Integration of Digital Technologies in Mathematics Education	Maria Myriantheos Maria Meletiou-Mavrotheris
Μαθήματα Ελεύθερης Επιλογής		

* Η πτυχιακή εργασία μετράει σαν ένα από τα επιλεγόμενα μαθήματα της δέσμης μαθηματικών του οποίου ο τομέας δεν καθορίζεται στην κατεύθυνση. Πτυχιακή εργασία μπορεί να επιλέξει να διεκπεραιώσει φοιτητής που έχει συμπληρώσει 90 πιστωτικές μονάδες και έχει G.P.A. μεγαλύτερο ή ίσο του 2.0.