



Teaching Staff

DIRECTION A: Manufacturing and Production Systems	
1st Academic Period	
Compulsory Courses	
1108: Modelling and Control of Dynamical Systems	Prof. Ch. Sarimveis (School of Chemical Engineering)
1107: Design of Control Systems	Assoc. Prof. G. Papalambrou (School of Naval Architecture and Marine Engineering)
Elective Courses	
1101: Optimal Product and System Design	Prof. D. Koulocheris/Assis. Professor Kl. Vosou (School of Mechanical Engineering)
1103: Industrial Installations	Prof. I. Antoniadis/Dr. Chr. Giakopoulos (School of Mechanical Engineering)
1104: CAD & Applications	Assoc. Prof. A. Ginnis (School of Naval Architecture and Marine Engineering)
1105: CAE & Applications	Prof. E. Theotokoglou (School of Applied Mathematics and Physical Sciences)
1109: Technologies and Applications of Additive Manufacturing / 3D Printing	Dr. St. Polydoros (School of Mechanical Engineering)
1110: Advanced Manufacturing Systems (CIM-INDUSTRY 4.0)	Prof. G.-X. Vosniakos /Prof. D. Koulouriotis (School of Mechanical Engineering)
1206: Smart Materials	Prof. D. Koulouriotis, Emeritus Prof. D. Manolakos (School of Mechanical Engineering)
2nd Academic Period	
Compulsory Courses	
1106: CAM and Applications	Assoc. Prof. P. Benardos/Prof. D. Koulouriotis (School of Mechanical Engineering)
2206: Sensors	Prof. I. Papananos (School of Electrical and Computer Engineering)
Elective Courses	
1201: Transportation Systems	Prof. D. Koulocheris /Assis. Professor Kl. Vosou (School of Mechanical Engineering)
1202: Anti-pollution Processes and Techniques	Emeritus Prof. M. Loizidou/Dr. K. Moustakas (School of Chemical Engineering)
1203: Welded Structures	Prof. Sp. Papaefthymiou /Assist. Prof. A. Zervaki (School of Mining and Metallurgical Engineering)
1204: Electrical-Mechanical Installations	Prof. V. Spitas (School of Mechanical Engineering)
1205: Polymer Technology	Prof P. Tarantili (School of Chemical Engineering)
1207: Energy Systems in Buildings and Industry	Assist. Prof. D. Kolaitis (School of Mechanical Engineering)/Dr. D. Giannopoulos/Dr. G. Zannis/
2204: Mechatronics	Assoc. Prof. I. Poulakakis (School of Mechanical Engineering)
2103: Measurements	Prof. I. Gonos /Dr. Aik. Polykrati (School of Electrical and Computer Engineering)



**Interdepartmental Postgraduate Program
"AUTOMATION SYSTEMS"**

**Academic Year
2025 – 2026**

Joint Elective Course (does not count towards the Final Diploma Grade)

1111 Communication Skills for Engineers

G. Togia

3rd Academic Period

Master's Thesis Preparation



DIRECTION B: Automatic Control and Robotic Systems

1st Academic Period:

Compulsory Courses

1108: Modelling and Control of Dynamical Systems	Prof. Ch. Sarimveis (School of Chemical Engineering)
2104: Robot Control Systems	Prof. K. Tzafestas, Assist. Professor P. Vartholomaios (School of electrical and Computer Engineering)

Elective Courses

1109: Technologies and Applications of Additive Manufacturing / 3D Printing	Dr. St. Polydoros (School of Mechanical Engineering)
1206: Smart Materials	Emeritus Prof. D. Manolakos (School of Mechanical Engineering)
2201: Multivariable Control systems	Dr. A. Soldatos
2203: Intelligent Control and Robotics Systems	Assoc. Prof. I. Poulakakis (School of Mechanical Engineering)
2109: Seminar Course in Automatic Control and Robotics-1	Will not be taught in the Academic Year 2025-2026

2nd Academic Period:

Compulsory Courses

2202: Nonlinear Systems and Control	Prof. I. Karafyllis (School of Applied Mathematics and Physical Sciences)
2205: Robotics Laboratory	Prof. K. Tzafestas, Assist. Professor P. Vartholomaios (School of electrical and Computer Engineering)

Elective Courses

2204: Mechatronics	Assist. Professor P. Vartholomaios (School of electrical and Computer Engineering), Emeritus Professor E. Papadopoulos (School of Mechanical Engineering)
2206: Sensors	Prof. I. Papananos (School of Electrical and Computer Engineering)
2207: Adaptive, Robust and Hierarchical Control	Lecturer Char. Psilakis (School of Electrical and Computer Engineering)
2103: Measurements	Prof. I. Gonos/Dr. Aik. Polykrati (School of Electrical and Computer Engineering))
2209: Seminar Course in Automatic Control and Robotics 2	Will not be taught in the Academic Year 2025-2026

Joint Elective Course (it does not count in the Final Diploma Grade)

1222 European and Greek Technical Law**	Assist. Prof. E. Tzanini (School of Applied Mathematics and Physical Sciences)
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3rd Academic Period:

Master's Thesis Preparation

** will not be taught in the Academic Year 2025-2026