

Robotics (ROB)

Core specialisation courses		EC	Quarter
201900091	Advanced Topics in Finite Element Methods	5	1B
202000030	Automated Production Systems	5	1B
201200133	Biomechatronics	5	2B
202200104	Control System Design for Robotics	5	1B
191131360	Design Principles for Precision Mechanisms 2	5	2A
201900037	Flexible Multibody Dynamics	5	1B
202000031	Frontiers in Robotics	5	Y
202000032	Industrial Robotic Systems	5	1A
201900097	Machine Learning in Engineering	5	2A
201300004	Robotics for Medical Applications	5	1B
202200108	Software Development for Robotics	5	2A
202200111	System Identification and Parameter Estimation and Machine Learning	5	2B
Elective subjects		EC	Quarter
202001392	Active Sound and Vibration Control	5	2A
202200109	Advanced Software Development for Robotics	5	2A
201900074	Fundamentals of Numerical Methods	5	1A
191150480	Human Movement Control	5	2A
201700071	Identification of Human Physiological Systems	5	2B
191210910	Image Processing and Computer Vision	5	1A
202000040	Design of Flexible and Soft Robotic Systems	5	2B
202000256	Learning and Adaptive Control	5	2A
191210930	Measurement Systems for Mechatronics	5	1A
202200101	Modelling, Dynamics and Kinematics	5	1A
201900085	Nonlinear Control	5	2A
191560430	Nonlinear Dynamics	5	1A
191561620	Optimal Control	5	1B
202200106	Optimal Estimation in Dynamic Systems	5	2A
191560671	Robust Control	5	2A
202000248	Soft Robotics	5	2B
202000037	Structural Dynamics	5	1A
202200100	Systems Engineering	5	1A