

INTERNATIONALISATION OFFER

Master level	Study program	Discipline	Year	Semester	Syllabus
	Engineering quality in mechatronics and robotics	Systems CAD-CAM-CAE. CATIA	1	2	http://mec.upt.ro/fisiere/2015-2016/SYLLABUS_en/SRIA_ICMR/Syllabus_CAD_CAM_CAE_Systems_CATIA.pdf
	Robotics systems with artificial intelligence	Shape Integration and Mechatronic Systems Configuration	1	2	http://mec.upt.ro/fisiere/2015-2016/SYLLABUS_en/SRIA_ICMR/SYLLABUS_SHAPE_INTEGRATION_AND_MECHATRONIC_SYSTEMS_CONFIGURATION.pdf
	Ergoengineering in mechatronics	Human factors in ergonomic design	2	1	http://mec.upt.ro/fisiere/2015-2016/SYLLABUS_en/ERGO_INGINERIE/Syllabus_Human_factors_and_ergonomic_posture.pdf
		Human centered design	1	2	http://mec.upt.ro/fisiere/2015-2016/SYLLABUS_en/ERGO_INGINERIE/Syllabus_Human_centered_design.pdf
	Implants, prostheses and biomechanical evaluation	Fatigue and structural integrity of structures	1	2	http://mec.upt.ro/fisiere/2015-2016/SYLLABUS_en/Syllabus_Fatigue_and_Integrity_of_Structures.pdf
	Statistical methods and techniques in health care and clinical research	The theory and practice of statistical inference	1	1	http://mec.upt.ro/fisiere/2015-2016/SYLLABUS_en/Syllabus_STATISTICAL_INFERENCE.pdf

Integrated Engineering	Integrated conception of products	1	1	http://mec.upt.ro/fisiere/2015-2016/SYLLABUS_en/INGINERIE_INTEGRATA/Syllabus_Integrated_Conception_of_Products.pdf
	Design for manufacturing and assembly	1	1	http://mec.upt.ro/fisiere/2015-2016/SYLLABUS_en/INGINERIE_INTEGRATA/Syllabus_Design_for_Manufacturing_and_Assembly.pdf
	Advanced machine tools	1	1	http://mec.upt.ro/fisiere/2015-2016/SYLLABUS_en/INGINERIE_INTEGRATA/Syllabus_Advanced_machines_tools.pdf
	Total productive maintenance	1	2	http://mec.upt.ro/fisiere/2015-2016/SYLLABUS_en/INGINERIE_INTEGRATA/Syllabus_Total_Productive_Maintenance.pdf
	3D measurements	2	1	http://mec.upt.ro/fisiere/2015-2016/SYLLABUS_en/INGINERIE_INTEGRATA/Syllabus-3D_Measurement.pdf
	Manufacture of polymeric materials products	2	1	http://mec.upt.ro/fisiere/2015-2016/SYLLABUS_en/INGINERIE_INTEGRATA/Syllabus_Manufacture_of_polymeric_materials_products.pdf

	Efficient welding gas protection Processes	Welding behavior of advanced materials			http://mec.upt.ro/fisiere/2015-2016/SYLLABUS_en/Syllabus_Welding_behavior_of_advanced_materials.pdf
	Advanced Mechanical Engineering	Fatigue and structural integrity of structures	1	2	http://mec.upt.ro/fisiere/2015-2016/SYLLABUS_en/Syllabus_Fatigue_and_Integrity_of_Structures.pdf
	The hydrodynamics of machinery and hydromechanical systems	Numerical methods for heat and fluid flow	1	1	http://mec.upt.ro/fisiere/2015-2016/SYLLABUS_en/Syllabus_Numerical_methods_for_heat_and_fluid_flow.pdf
	Integrated Systems for agri-food manufacturing	Quality optimization in Industrial Agrifood Systems	1	2	http://mec.upt.ro/fisiere/2015-2016/SYLLABUS_en/Syllabus_Quality_optimization_in_Industrial_Agrifood_Systems.pdf
	Quality management of technological processes	Quality Management	1	1	
		Quality Costs	1	2	http://mec.upt.ro/fisiere/2015-2016/SYLLABUS_en/Syllabus_Quality_costs.pdf
	The engineering of work relationships, health and safety at work	Quality optimization in Industrial Agrifood Systems	1	2	http://mec.upt.ro/fisiere/2015-2016/SYLLABUS_en/Syllabus_Quality_optimization_in_Industrial_Agrifood_Systems.pdf
	Advanced Techniques in Road Transportation	Vehicle accident investigation and reconstruction	2	1	http://mec.upt.ro/fisiere/2015-2016/SYLLABUS_en/Syllabus_Road_accident_investigation_and_reconstruction.pdf

	Modern Railway Systems	Advanced elements of railway vehicles	1	1	http://mec.upt.ro/fisiere/2015-2016/SYLLABUS_en/Syllabus_Advanced_Elements_of_Railway_Vehicles_Dynamics.pdf
	Power system engineering for vehicles	Modern technologies in propulsion systems design for road vehicles	1	1	http://mec.upt.ro/fisiere/2015-2016/SYLLABUS_en/Syllabus_Modern_technologies_in_propulsion_systems_design_for_road_vehicles.pdf