

Offered as: 1-professional					
Module name	Course type	ECT S	Applied grading scale	Evaluation method	Assessment method
1 SEMESTER					
Diagnosis and Maintenance	Project	10	7-point grading scale	Internal examination	Oral exam based on a project
System Identification and Diagnosis	Course	5	7-point grading scale	Internal examination	Oral exam
Condition Monitoring and Product Life Cycle Management	Course	5	7-point grading scale	Internal examination	Written or oral exam
Probability Theory, Stochastic Processes and Applied Statistics	Course	5	7-point grading scale	Internal examination	Written or oral exam
Elective Courses 1st Semester One course must be chosen	Course	5			
2 SEMESTER					
Control of Power Electronic Systems	Project	15	7-point grading scale	External examination	Oral exam based on a project
Non-linear Control and Reliability	Course	5	7-point grading scale	Internal examination	Oral exam
Dynamic Modelling of Electrical Machines and Control Systems	Course	5	7-point grading scale	Internal examination	Written exam
Advanced Power Electronics and Applications	Course	5	7-point grading scale	Internal examination	Oral exam
3 SEMESTER Option 1					
Advanced Control in Industrial Electronics	Project	20	7-point grading scale	Internal examination	Oral exam based on a project
Project Oriented Study in an External Organisation	Project	10	7-point grading scale	Internal examination	Oral exam based on a project
3 SEMESTER Option 2					
Advanced Control in Industrial Electronics	Project	20	7-point grading scale	Internal examination	Oral exam based on a project
Elective Courses 3rd Semester Two courses must be chosen	Course	10			
4 SEMESTER Master's Thesis					
Master's Thesis	Project	30	7-point grading scale	External examination	Oral exam based on a project

Elective Courses 1st Semester One course must be chosen					
Module name	Course type	ECT S	Applied grading scale	Evaluation Method	Assessment method
Scientific Paper and Conference on Diagnosis and Maintenance (elective)	Project	5	Passed/Not Passed	Internal examination	Oral exam based on a project
Control Theory and MATLAB	Course	5	7-point grading scale	Internal examination	Written exam

Elective Courses 3rd Semester Two courses must be chosen					
Module name	Course type	ECT S	Applied grading scale	Evaluation Method	Assessment method
Artificial Intelligence	Course	5	7-point grading scale	Internal examination	Written or oral exam
Adaptive and Predictive Control	Course	5	7-point grading scale	Internal examination	Oral exam
Advanced Modelling and Control of Voltage Source Converters	Course	5	7-point grading scale	Internal examination	Written and oral exam
Control of Grid Connected Photovoltaic and Wind Turbine Systems	Course	5	7-point grading scale	Internal examination	Written and oral exam
Fault Tolerant Control	Course	5	7-point grading scale	Internal examination	Written exam
Modern Electrical Drives	Course	5	7-point grading scale	Internal examination	Written and oral exam
Modern Power Electronic Devices and their Models	Course	5	7-point grading scale	Internal examination	Written and oral exam
Test and Validation	Course	5	Passed/Not Passed	Internal examination	Written and oral exam