

Offered as: 1-professional					
Specialisation: Process Engineering and Combustion Technology					
Module name	Course type	ECT S	Applied grading scale	Evaluation method	Assessment method
<b>1 SEMESTER</b> For Students with a Bachelor's Degree from Aalborg University					
<a href="#">Fluid Mechanical Analysis Methods</a>	Project	15	7-point grading scale	Internal examination	Oral exam based on a project
<a href="#">Computational Fluid Dynamics (CFD) and Multiphase Flow</a>	Course	5	7-point grading scale	Internal examination	Oral exam
<a href="#">Fluid Mechanics and Compressible Flow</a>	Course	5	7-point grading scale	Internal examination	Oral exam
<a href="#">Probability Theory, Stochastic Processes and Applied Statistics</a>	Course	5	7-point grading scale	Internal examination	Written or oral exam
<b>1 SEMESTER</b> For Students with a Bachelor's Degree from Another University (INTRO Semester Students)					
<a href="#">Problem Based Project organised Learning in Combustion Technology (INTRO)</a>	Project	10	7-point grading scale	Internal examination	Oral exam based on a project
<a href="#">Computational Fluid Dynamics (CFD) and Multiphase Flow</a>	Course	5	7-point grading scale	Internal examination	Oral exam
<a href="#">Fluid Mechanics and Compressible Flow</a>	Course	5	7-point grading scale	Internal examination	Oral exam
<a href="#">Probability Theory, Stochastic Processes and Applied Statistics</a>	Course	5	7-point grading scale	Internal examination	Written or oral exam
<a href="#">Control Theory and MATLAB</a>	Course	5	7-point grading scale	Internal examination	Written exam
<b>2 SEMESTER</b>					
<a href="#">Combustion and/or Process Systems</a>	Project	15	7-point grading scale	External examination	Oral exam based on a project
<a href="#">Process Simulation</a>	Course	5	Passed/Not Passed	Internal examination	Written and oral exam
<a href="#">Combustion Technology and Chemical Reactors</a>	Course	5	7-point grading scale	Internal examination	Oral exam
<a href="#">Optimisation Theory and Reliability</a>	Course	5	7-point grading scale	Internal examination	Written exam
<b>3 SEMESTER</b> Ordinary Semester					
<a href="#">Advanced Combustion and Process Systems</a>	Project	20	7-point grading scale	Internal examination	Oral exam based on a project
<a href="#">Elective Courses 3rd Semester</a> Two courses must be chosen	Course	10			
<b>3 SEMESTER</b> Voluntary Traineeship					
<a href="#">Voluntary Traineeship</a>	Project	30	7-point grading scale	Internal examination	Oral exam based on a project

4 SEMESTER Master's Thesis					
<a href="#">Master's Thesis</a>	Project	30	7-point grading scale	External examination	Oral exam based on a project
3-4 SEMESTER Long Master's Thesis					
<a href="#">Master's Thesis</a>	Project	50	7-point grading scale	External examination	Oral exam based on a project
<a href="#">Elective Courses 3rd Semester</a> Two courses must be chosen	Course	10			

Elective Courses 3rd Semester Two courses must be chosen					
Module name	Course type	ECT S	Applied grading scale	Evaluation Method	Assessment method
<a href="#">Advanced Analysis of Thermal Machines</a>	Course	5	7-point grading scale	Internal examination	Written and oral exam
<a href="#">Advanced Modelling and Control of Voltage Source Converters</a>	Course	5	7-point grading scale	Internal examination	Written and oral exam
<a href="#">Analysis of Advanced Thermal Process Systems</a>	Course	5	7-point grading scale	Internal examination	Oral exam
<a href="#">Battery Energy Storage Systems</a>	Course	5	7-point grading scale	Internal examination	Written and oral exam
<a href="#">Biomass Conversion and Biofuels</a>	Course	5	7-point grading scale	Internal examination	Written and oral exam
<a href="#">Biomass Gasification, Combustion and their Advanced Modelling</a>	Course	5	7-point grading scale	Internal examination	Oral exam
<a href="#">Control of Grid Connected Photovoltaic and Wind Turbine Systems</a>	Course	5	7-point grading scale	Internal examination	Written and oral exam
<a href="#">Electrochemical Modelling of Fuel Cells, Electrolysers and Batteries</a>	Course	5	7-point grading scale	Internal examination	Oral exam
<a href="#">Energy Conversion and Storage in Future Energy Systems</a>	Course	5	7-point grading scale	Internal examination	Written and oral exam
<a href="#">Fault Tolerant Control</a>	Course	5	7-point grading scale	Internal examination	Written exam
<a href="#">Future Power System in Denmark</a>	Course	5	7-point grading scale	Internal examination	Written and oral exam
<a href="#">Modern Electrical Drives</a>	Course	5	7-point grading scale	Internal examination	Written and oral exam
<a href="#">Modern Power Electronic Devices and their Models</a>	Course	5	7-point grading scale	Internal examination	Written and oral exam
<a href="#">Non-linear Control and Multi-body Systems</a>	Course	5	7-point grading scale	Internal examination	Written or oral exam
<a href="#">System Identification and Diagnosis</a>	Course	5	7-point grading scale	Internal examination	Oral exam
<a href="#">Test and Validation</a>	Course	5	Passed/Not Passed	Internal examination	Written and oral exam
<a href="#">Wind Power System and Renewable Energy Grid Integration</a>	Course	5	7-point grading scale	Internal examination	Written and oral exam