



Courses – MSC 1 + INTRO, 7th semester DK – Autumn 2018

21/08/2018

Courses	Course names in Moodle	ECTS	Lecturers	Participants
Computational Fluid Dynamics (CFD) and Multiphase Flow Numerisk strømningslære (CFD) og flerfasestrømning	Computational Fluid Dynamics (CFD) (8 lectures) & Multiphase Flow (6 lectures)	5	Chungen Yin (CHY)	TEPE1/HYTEC1 INTRO-TEPE/HYTEC CFD together with IE7/DMS9
Fluid Mechanics and Compressible Flow Fluidmekanik og kompressible strømninger	Fluid Mechanics (7 lectures) & Compressible Flow (7 lectures)	5	Thomas Condra (TC) 4-7 + 1-7 Alireza Rezaniakolaei (ALR) 1-3	TEPE1/HYTEC1 INTRO-TEPE/HYTEC Only Fluid Mechanics part together with IE7/ /BAKK7
High Voltage Engineering and EMI/EMC Højspændingsteori og EMI/EMC	High Voltage Engineering (6 lectures) & EMI/EMC (4 lectures)	5	Claus Leth Bak (CLB) Pooya Davari (PDA)	PED1/EPSh1/WPS1 INTRO-PED/EPSh/WPS
Non-linear Control and Multi-body Systems Ikke-lineær regulering og flerlegeme systemer	Non-linear Control and Multi-body Systems (12 lectures)	5	Lasse Schmidt/LSC 1-12	MCE, INTRO-MCE + EMSD9
Control Theory and MATLAB Reguleringsteori og MATLAB	Control Theory (8 lectures) MMB/HCP & MATLAB (4 lectures) SBE/LAT	2+3	Henrik C. Pedersen (HCP) 1-4 Michael M. Bech (MMB) 5-8 Szymon Michal Beczkowski (SBE) 1-4	INTRO- TEPE/HYTEC/PED/EPSh/WPS/MCE
Probability Theory, Stochastic Processes and Applied Statistics Sandsynlighedsregning, stokastiske processer og anvendt statistik	Probability Theory, Stochastic Processes and Applied Statistics (11 lectures + 5)	5	Ege Rubak (1/3) Anne Marie Svane (2/3)	PED1/EPSh1/TEPE1/MCE1/WPS1 INTRO- TEPE/HYTEC/PED/EPSh/WPS/MCE
Dynamical Modelling of Electrical Machines and Control Systems Dynamiske modeller for elektriske maskiner og regulering	Dynamical Modelling of Electrical Machines and Control Systems (12 lectures)	5	Kaiyuan Lu (KLU)	PED1/EPSh1/MCE1/WPS1 INTRO-PED/EPSh/WPS/MCE
Problem Based Learning and Project Management – Energy-SADP	Problem Based Learning and Project Management – Energy-SADP		Pia Bøgelund	Mandatory for ALL INTRO and GUEST students



DEPARTMENT OF ENERGY TECHNOLOGY
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Workshop/Scientific Paper			Jacob Hærvig	For INTRO/DK students
LAB – safety course/stærkstrøm			Filipe Miguel Faria da Silva (FFS) 1	For all INTRO /new students



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Lecture rooms:

Kroghstræde 6, Room 31,35 + 39 - Pontoppidanstræde 103, room 3.112 and Pontoppidanstræde 105, rooms 3.115 and 4.127

Course exam period: 14-31 January 2019

Project exam period: 3-11 January 2019

Submission of project: 18 December 2018 (DK) + Paper & Poster 17 December 2018
19 December 2018 (INTRO)