



11022 Fire Dynamics

Spring 2018

Fridays 08.00 – 12.00, Room 013, Building 127.

Fr 02/02	Introduction, intro. design fires
Fr 09/02	Heat transfer
Fr 16/02	Burning rate, energy release rate and design fires
Fr 23/02	Ignition and flame spread
Fr 02/03	Fire description, Plumes and flame heights
Fr 09/03	Gas temperatures / activation of sprinklers
Fr 16/03	Pressure profiles and vent flow / LAB (half the class)
Fr 23/03	Pressure profiles and vent flow / LAB (half the class)
Fr 30/03	Easter holiday
Fr 06/04	Conservation equations and smoke filling
Fr 13/04	Combustion products and toxic gases, smoke inhalation etc.
Fr 20/04	Fire models: 2-zone and Computational Fluid Dynamics (CFD)
Fr 04/05	Topic to be decided
Tu 08/05	Course summary, questions and exam information
Tu 25/05	EXAM

Lars Schiøtt Sørensen

Changes may occur

