Combustion in Industrial Processes Course PM Mh2610

MH2601 : Second cycle 6.0 hp

For 6.0 hp modules

Home assignments (2.0 hp)
Lab attendance and report (1.5 hp)
Final Exam (2.5 hp)/ **by a project- New!**

Grading Scale: A: 100 – 85
B: 84 – 75
C: 74 – 65
D: 64 – 55
E: 54 – 50
Fx: 49 – 45
F: 44 – 0

Course main content

- Fundamentals
  - Fuel chemistry
  - Combustion chemistry
  - Thermodynamics
  - Fluid dynamics
  - Heat transfer
  - Emissions from combustion
- Practical issues
  - Boilers and furnaces of gaseous, liquid and solid fuels
  - Clean combustion technologies
  - Measurement techniques in industrial application
  - Solid fuel (Biomass and waste) thermal conversion

Time Schedule

Datum	Tid	Lokal			
22-mar	08:00-10:00	Blå	Frl .1	Industrial Combustion Processes	Weihong Yang
23-mar	10:00 -12:00	Blå	Frl .2	Thermodynamics of Combustion	Weihong Yang
29-mar	08:00-10:00	Blå	Frl .3	Combustion Chemistry	Weihong Yang
30-mar	10:00-12:00	blå	Frl .4	Heat transfer in furnaces	Weihong Yang
05-apr	08:00-10:00	blå	Frl .5	Aerodynamics of Combustion Chambers	Weihong Yang
06-apr	10:00-12:00	B22	Frl .6	Combustion Furnace efficiency	Weihong Yang
12-apr	08:00-10:00	blå	Frl .7	Combustion of Gas Fuels	Weihong Yang
13-apr	10:00-12:00	blå	Frl .8	Gas Combustion Equipment	Weihong Yang
26-apr	08:00-10:00	blå	Frl .9	Combustion of Liquid Fuels	Ilman N Zaini
27-apr	10:00-12:00	blå	Frl .10	Combustion of Solid Fuels	Ilman N Zaini
03-maj	08:00-10:00	blå	Frl .11	Combustion Pollutants Generation and reduction	Ilman N Zaini
04-maj	10:00-12:00	blå	Frl .12	Advance combustion	Ilman N Zaini
10-maj	08:00-10:00	blå	Frl .13	Gasification and pyrolysis	Ilman N Zaini
11-maj	10:00-12:00	Lab	Lab	Lab: Lokal BR23	Ilman N Zaini
01-jun	08:00-12:00	V11	Ten.		Weihong Yang