

# Lecture topics and teachers

Topic number	Name of the topic	Date	Teachers
1	Wood handling	Jan 21	Peskovav, Debajyyoti
2	Cooking and washing + Oxygen delification and bleaching	Jan 21	Lähdemäki, Nurmio, Nieminen
3	Pulp drying + finishing	Jan 21	Rosenblad, Berg
4	Black liquor properties and evaporation	Jan 26	Arroyo, Oladele
5	Recovery boiler	Jan 26	Acharya
6	Recaustizing + by-products of chemical pulping (turpentine, tall oil)	Jan 26	Hellman, Pitkänen
7	Paper products + overview of a paper making process	Jan 28	Värä
8	Stock preparation + web forming + press section	Jan 28	Li, Dahiya
9	Paper drying + finishing	Jan 28	Vierimaa, Hokkanen
10	TMP plant	Jan 28	Dahl, Perrens
11	Rankine process and basics of a CHP plant	Feb 2	Vuori
12	An industrial power plant and energy system	Feb 2	
13	Utilization of industrial waste/secondary/excess heat	Feb 2	Hänninen, Moura

# Updated course schedule, changes are still possible

Class	Date	Theme	Teacher
1	12.1	Lecture 1, introduction to the course	Henrik Holmberg (HH)
2	14.1	Lecture 2, Selecting the topics and introduction to assignments	HH
3	21.1	Lecture 3, Student lectures 1-3	HH
4	26.1	Lecture 4, Student lectures 4-6	HH
5	28.1	Lecture 5, Student lectures 7-10	HH
6	2.2	Lecture 6, Student lectures 11-13	HH
7	4.2	Lecture 7, Sustainable fuel technologies	Ikka Hannula (IH)
8	9.2	Lecture 8, Energy allocation	Timo Laukkanen (TL)
9	11.2	Guidance workshop	HH
10	16.2	Lecture 9, Mitigating industrial CO2-emissions	IH
11	18.2	Guidance workshop	HH
12	2.3	Guidance workshop	HH
12	9.3	Guidance workshop	HH
13	16.3	Guidance workshop	HH