

Responsible teacher: Eero Hiltunen (EH)

Second teacher: Jouni Paltakari (JP)

CHEM-E2135 Converting of Web-Based Products

Date:	time:	hall/ hybrid - Teams	Covered topics 2022		
3.3.2022	13-15	L2	EH	2x45 min	INTRODUCTION: course contents, terminology, paper and board classification
10.3.2022	13-15	L2	EH	2x45 min	Fiber, paper and board product applications Homework: Product analysis Surface sizing, pigment coating, calendering, winding/slitting = Pretreatments for converting
17.3.2022	13-15	L2	JP	2x45 min	Adhesion, cohesion and their applications. MyCourses exercise on adhesion (exercise can be done on your own time).
24.3.2022	13-15	L2	EH	2x45 min	Barrier properties Dispersion and solution coating
31.3.2022	13-15	L2	JP	2x45 min	Extrusion coating
7.4.2022	13-15	L2	EH	2x45 min	Hot melt and wax coating, Lamination, Gluing Biotrends in converting of paper and board
21.4.2022	13-15	L2	JP	2x45 min	Siliconization, impregnation, metallizing Sheeting, Cutting and creasing, Embossing, Printing
28.4.2022	13-15	L2	EH/JP	2x45 min	Seminar - Verbal presentation of Lab results and discussion
May	Exam		EH		Focus on phenomena (not on e.g. technical details of equipment)
End of March, early April				Lab	One short laboratory exercises - in small groups Barrier-properties (base paper/board + K-coater coating) Lab reports as PowerPoint presentations - simplified reporting style. Dead-line for report (-> MC) 26.4. More detailed info will come to MC Assignments folder.