

SV0049 - VT2025

Operational management of industrial wood supply

The course focuses on the execution of wood supply; from plan to practical implementation with the most efficient use of resources.

The course is divided into 3 modules: Production (6 credits), Transport (6 credits) and Coordination (3 credits).

Production (PR) - Production planning towards production goals including economics, procurement and operations management.

Transport (TR) - Transport planning towards delivery plan including economics, procurement and operations management.

Coordination (SCM) - Coordination of supply chains with application to purchasing, production and transport.

The course is mainly based on practical exercises in individual activities and their coordination, interspersed with literature seminars (compulsory attendance) and lectures by industry representatives. The literature is distributed via Canvas.

Overview schedule

Week	Section	SLU teachers
V 4-7	Production (PR)	OL, TK, EE, BE
V 7-11	Transport (TR)	DF, EE
V 11-13	Supply chain coordination (SCM)	EE, BE

OL - Ola Lindroos, TK – Thomas Kronholm, EE - Emanuel Erlandsson, BE - Björn Edlund, DF - Dag Fjeld

SV0049 Schedule *(exercises in green, * = mandatory attendance at presentations and LitSems)*

Production						
V	Section	Date	Time	Subject	Sal	Teacher
4	PR	20.Jan	9-10	Course introduction	Sälgen	EE
			10-12	Introduction to financial assessment		TK
	PR	21.Jan	9-12	Financial assessment	Sälgen	TK
	PR	22.Jan	9-10	Financial assessment / presentation*	Sälgen	TK
			10-12	PR - machine fleet dimensioning	Data 1b	OL
PR	23.Jan	9-12	PR - machine fleet dimensioning	Data 1b	OL	
PR	24.Jan	9-12	PR - machine fleet dimensioning / presentation*	Sälgen	OL	
5	PR	27.Jan	9-12	PR - planning	Data 1b	OL
	PR	28.Jan	9-12	PR - planning	Data 1b	OL
	PR	29.Jan	9-12	PR - planning	Data 1b	OL
	PR	30.Jan	12-15	PR - planning / presentation*	Årsringen	OL
	PR	31.Jan	9-12	Intro to Service procurement and exercises Analysis of contracting economics with EY Kalkyl	Data 1b	EE
6	PR	3.Feb	9-12	Tender calculation	Data 1b	EE
	PR	4.Feb	10-12	Tender calculation / presentation*	Sälgen	EE
	PR	5.Feb	9-12	PR - control	Data 1b	BE
	PR	6.Feb	9-12	PR - control	Data 1b	BE
	PR	7.Feb	9-12	PR - control	Data 1b	BE
7	PR	10.Feb	9-12	LitSem Production*	Sälgen	EE
	PR	11.Feb	8-12	PR / Final presentation* Reserved for guest lecture	Sälgen	OL, BE
	PR	12.Feb	9-12	Reserved for guest lecture	Sälgen	
	PR	13.Feb	9-12	Reserved for guest lecture	Sälgen	

Transport						
V	Section	Date	Time	Subject	Sal	Teacher
7	TR	14.Feb	9-12	Transport management	Data 1b	DF
8	TR	17.Feb	9-12	Transport management / Presentation* Intro Route planning	Zoom in	DF
	TR	18.Feb	9-12	Route planning	Data 1b	DF
	TR	19.Feb	9-12	Route planning	Data 1b	DF
	TR	20.Feb	9-12	LitSem Road transport*	Zoom in	DF
	TR	21.Feb	9-12	Route planning / Presentation* Intro Road transport price calculation with Gille's spread sheets	Sälgen	DF EE
9	TR	24.Feb	9-12	Reserved for guest lecture	Sälgen	
	TR	25.Feb	9-12	Road transport price calculation / Presentation* Intro Rail transport	Data 1b	EE DF
	TR	26.Feb	9-12	Rail transport	Data 1b	DF
	TR	27.Feb	9-12	Rail transport	Data 1b	DF
	TR	28.Feb	9-12	LittSem rail transport*	Zoom in	DF
10	TR	3.Mar	9-12	Rail transport / Presentation* Reserved for guest lecture	Zoom in	DF
	TR	4.Mar	9-12	LitSem Wind, weather and wood supply*	Zoom in	DF
	TR	5.Mar	9-12	Wind, weather & wood deliveries (digital tools, sources)	Data 1b	DF
	TR	6.Mar	9-12	Intro Sea transport	Data 1b	DF
	TR	7.Ma	9-12	Sea transport	Data 1b	DF
11	TR	10.Mar	9-10 10-12	Sea transport / Presentation* LitSem Sea transport*	Zoom in	DF
	TR	11.Mar	9-12	Reserved for guest lecture	Sälgen	

Supply chain coordination (SCM)						
V	Section	Date	Time	Subject	Sal	Teacher
11	SCM	12.Mar	9-12	Reserved for guest lecture	Sälgen	EE
	SCM	13.Mar	9-12	Follow-up of supply chain data	Data 1b	EE
	SCM	14.Mar	9-12	FORAC Wood Supply Game - scenario 1 FORAC Wood Supply Game - scenario 2	Data 1b	EE
12	SCM	17.Mar	9-12	Wood Supply Game / Presentation* Intro FORAC Wood Supply Arena	Sälgen	EE BE
	SCM	18.Mar	9-12	FORAC Wood Supply Arena - scenario 1	Data 1b	BE
	SCM	19.Mar	9-12	LittSem SCM*	Sälgen	EE
	SCM	20.Mar	9-12	FORAC Wood Supply Arena - scenario 2	Data 1b	BE
	SCM	21.Mar	9-12	FORAC Wood Supply Arena - scenario 3 (<i>Competition!</i>)	Data 1b	BE
13	SCM	24.Mar	8-12	Wood Supply Arena / Presentation* Reserved for guest lecture	Sälgen	BE, EE