

Module Handbook (<https://modhb.uni-kl.de/>)

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Course WIW-POM-MG-K-7

Modelling and Optimization with GAMS (2V, 3.0 LP)

Course Type

SWS	Type	Course Form	CP (Effort)	Presence-Time / Self-Study
2	V	Lecture	3.0 CP	30 h / 60 h
(2V)			3.0 CP	30 h / 60 h

Basedata

SWS	2V
CP, Effort	3.0 CP = 90 h
Position of the semester	1 Sem. in WiSe
Level	[7] Master (Advanced)
Language	[DE] German
Lecturers	Sahling, Florian, Prof. Dr. (PROF DEPT: WIW) (/staff/53/)
Area of study	[WIW-POM] Production Management
Lifecycle-State	[NORM] Active

Contents

- Introduction to a commercial optimization software
- Implementation of mathematical models in the optimization software
- Application areas: production planning, location planning, etc.
- Implementation of efficient solution procedures

Literature

Slides are made available that contains a list of complementary literature

Requirements for attendance (informal)

None

Requirements for attendance (formal)

None

References to Course [WIW-POM-MG-K-7]

Module	Name	Context
[WIW-POM-PM-M-7 (/mhb/modules/WIW-POM-PM-M-7/)]	Operations Management	P: Obligatory 2V, 3.0 LP
[WIW-POM-PMW-M-7 (/mhb/modules/WIW-POM-PMW-M-7/)]	Operations Management für WI	P: Obligatory 2V, 3.0 LP