

Schedule for KO7009 Organometallic Chemistry 15 ECTS HT 2025

Terminsdel C-D (251103 – 260118)

Department of Chemistry

	V45 3-9 November 2025	V46 10-16 November 2025	V47 17-23 November 2025	V48 24-30 November 2025	V49 01 – 07 Dec 2025
MON	03/11 09.30-10.00: Intro (BMM&KS) 10.00-12.30 L1 Chemical Bonding (KS)	10/11 09.30-12.30 L5 Reactions of organometallic complexes (KS)	17/11 09.30-12.30 L9 Carbonylations (BMM)	24/11 09.30-12.30: L13 Oxidations (KS) 14.00-17.00 E3 Problem solving III (KS)	01/12 09.30-18.00 Lab1 Compulsory
TUE	04/11 09.30-12.30 L2 Metal Carbon bonding (KS)	11/11 09.30-12.30 L6 C-C bond Form.I (BMM)	18/11 09.30-12.30 L10 Heck Reaction (KS)	25/11 09.30-12.30 Pre-Lab A501 Compulsory (MR/SH)	02/12 09.00-18.00 Lab2 Compulsory
WED	05/11 09.30-12.30 L3 MO theory of metal complexes (KS)	12/11 09.30-12.30 Self studies	19/11 09.30-12.30 L11 C-H Functionalization I (KS) 14.00-17.00 E1 Problem solving I (KS)	26/11 09.30-12.30 L14 Nucleophilic Func. (BMM)	03/12 09.00-18.00 Lab3 Compulsory
THU	06/11 09.30-12.30 Self studies	13/11 09.30-12.30 L7 C-C bond Form. II (BMM)	20/11 09.30-12.30 L12 C-H Functionalization II (KS)	27/11 09.30-12.30 L15 Allyl Metal (KS)	04/12 09.00-18.00 Lab4 Compulsory
FRI	07/11 09.30-12.30 L4 Ligand exchange in metal complexes (KS)	14/11 09.30-12.30 L8 C-X and Enolates (BMM)	21/11 09.30-12.30: E2 Problem solving II (BMM)	28/11 09.30-12.30 L16 Carbenes (KS)	05/12 Lab5 Compulsory

	V50 8-14 December 2025	V51 15-21 December 2025	V1 2026	V2 5-11 January 2026	V3 12-18 January 2026
MON	8/12 09.00-18.00 Lab6 Compulsory	15/12 09.30-12.30: L17 Reductions (BMM) DEADLINE Reports 1-2		6/01	12/1 09.30-12.30: Exam prep. (KS)
TUE	9/12 09.00-18.00 Lab7 Compulsory	16/12 09.30-12.30 E4 Problem solving IV (BMM)	5/1 DEADLINE Reports 3-4	7/01 Self studies	13/1 09.30-12.30: Exam prep. (BMM)
WED	10/12 09.00-18.00 Lab8 Compulsory	17/12 Self studies		8/01 Self studies	14/1 Self studies
THU	11/12 09.00-18.00 Lab9 + cleaning Compulsory	18/12 09.00-12.30: Presentations I (BMM & KS) 18/12 13.30-15.00: Presentations II (BMM & KS) Compulsory		9/01 Self studies	15/1 Self studies
FRI	12/12 Self studies	19/12 09.30-12.30: Self studies		10/01 Self studies	16/1 09.00-14.00 EXAM

NOTE:

Lectures: A501-A507

Labs: K434 (KÖL)

Lab report deadlines:

15 December 2025

5 January 2026

Exam:

16 January 2026 09.00-14.00

Literature: Handouts distributed by the lecturers.

Recommended book: Organotransition Metal Chemistry: From Bonding to Catalysis (ISBN: 9781891389535): John Hartwig: University Science books: Sausalito, CA.

Lecturers:

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