



Stockholm
University

Department of Organic Chemistry

Schedule for KO7009 Organometallic Chemistry 15 ECTS HT 2023 - Start October 30/10

	V44 2023	V45 2023	V46 2023	V47 2023	V48 2023
MON	30/10 09.30-10.00: Intro (BMM&KS) 10.00-12.30 L1 Chemical Bonding (KS)	6/11 09.30-12.30 L6 C-C bond Form.I (BMM)	13/11 09.30-12.30 L10 Carbonylations (BMM) 13.30-15.00 (xx) Pre-Lab A501 Compulsory	20/11 09.30-18.00 Lab1 Compulsory	27/11 09.30-12.30: L13 Nucleophilic Func. (BMM)
TUE	31/10 09.30-12.30 L2 Metal Carbon bonding (KS)	7/11 09.30-12.30 L7 C-C bond Form. II (BMM)	14/11 09.30-12.30 Self studies	21/11 09.00-18.00 Lab2 Compulsory	28/11 09.30-12.30 Self studies
WED	1/11 09.30-12.30 L3 MO theory of metal complexes (KS)	8/11 09.30-12.30 L8 Heck Reaction (KS)	15/11 09.30-12.30 L11 Oxidations (KS)	22/11 09.00-18.00 Lab3 Compulsory	29/11 09.30-12.30 L14 C-H Functionalization I (KS) 14.00-16.30 ****!!!! E3 Problem solving III (KS)
THU	2/11 09.30-12.30 L4 Ligand exchange in metal complexes (KS)	9/11 09.30-12.30 Self studies	16/11 09.30-12.30 E2 Problem solving II (BMM)	23/11 09.00-18.00 Lab4 Compulsory	30/11 09.30-12.30 L15 C-H Functionalization II (KS)
FRI	3/11 09.30-12.30 L5 Reactions of organometallic complexes (KS)	10/11 09.30-12.30 L9 C-X and Enolates (BMM) E1 14.00-16.30: (KS) ****!!!! Problem solving I	17/11 09.30-12.30: L12 Allyl Metal (KS)	24/11 Lab5 Compulsory	1/12 09.30-12.30 L16 Reductions (BMM)

	V49 2023	V50 2023	V51- V52 2023, V1 2024	V2 2024
MON	4/12 09.00-18.00 Lab6 Compulsory	11/12 13:00- 16:00 ****!!!! L17 Carbenes (KS)		8/1 09.30-12.30 Exam prep. (KS)
TUE	5/12 09.00-18.00 Lab7 Compulsory	12/12 09.30-12.30 E4 Problem solving IV (BMM)	5/1 DEADLINE Reports	9/1 09.30-12.30 Exam prep. (BMM)
WED	6/12 09.00-18.00 Lab8 Compulsory	13/12 Presentations I (BMM & KS) Compulsory		19/1 Self studies
THU	7/12 09.00-18.00 Lab9 + cleaning Compulsory	14/12 09.30-12.30 Presentations II (KS) Compulsory		11/1 Self studies
FRI	8/12 Self studies DEADLINE Reports 1-2	15/12 09.30-12.30 Self studies		12/1 09.00-13.00 EXAM

NOTE:

Room: A501-A507

Lab report deadlines:

8 December 2022

5 January 2023

Exam:

12 January 2024 09.00-13.00

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:

Belén Martín Matute (BMM)*
Kalman Szábó (KS)

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Teaching Assistants (TA):

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* Course coordinator. For general study-related questions, please contact the KÖL administration or the Director of Studies.