



Stockholm
University

Department of Organic Chemistry

Schedule for KO7009 Organometallic Chemistry (15 ECT) HT 2020

TENTATIVE SCHEDULE Ver 2

	V. 45 (02-06/11/2020)	V. 46 (9-13/11/2020)	V. 47 (16-20/11/2020)	V. 48 (23-27/11/2020)	V. 49 (30/11-4/12/2020)
MON		9/11 09.30-12.30: L5 Reactions of organometallic complexes (KS)	16/11 09.30-12.30: (BMM) L9 C-X bond Formations and Enolates	23/11 09.00-18.00: (MD, PT) Lab1 Compulsory	30/11 09.30-12.30: (BMM) L12 Oxidations
TUE	3/11 09.30-10.00: Intro (BMM&KS) 10.00-12.30: L1 Chemical bonding (KS)	10/11 09.30-12.30: L6 Heck reaction (KS)	17/11 Self studies	24/11 09.00-18.00: (MD, PT) Lab2 Compulsory	1/12 Self studies
WED	4/11 09.30-12.30: L2 Metal-carbon bonding (KS)	11/11 9.30-12.30: (KS) E1 Problem solving I	18/11 09.30-12.30: L10 Carbonylations (BMM)	25/11 09.00-18.00: (MD, PT) Lab3 Compulsory	2/12 09.30-12.30: (BMM) E3 Problem solving II
THU	5/11 09.30-12.30: L3 MO theory of metal complexes (KS)	12/11 09.30-12.30: (BMM) L7 C-C bond Form.I	19/11 9.30-12.30 (MD, PT) Pre-Lab A501 Compulsory	26/11 09.00-18.00: (MD, PT) Lab4 Compulsory	3/12 Self studies
FRI	6/11 09.30-12.30: L4 Ligand exchange in metal complexes (KS)	13/11 09.30-12.30: (BMM) L8 C-C bond Form. II	20/11 09.30-12.30: (BMM) L11 Reductions	27/12 09.00-18.00: (MD, PT) Lab5 Compulsory	4/12 09.30-12.30: (BMM) L14 Nucleophilic Func.

	V. 50 (7-11/12/2020)	V. 51 (14-18/12/2020)	V. 52 (21-25/12/2020)	V. 1 (4-9/1/2021)	V. 2 (11-15/1/2021)
MON	7/12 09.30-12.30: (BMM) L14 Metathesis	14/12 09.00-18.00: (MD, PT) Lab6 Compulsory	21/12 9.30-12.30: E3 Problem solving III (KS)	4/1 Self studies	11/1 09.30-11.30: Exam prep. (KS)
TUE	8/12 09.30-12.30: (BMM) E4 Problem solving IV	15/12 09.00-18.00: (MD, PT) Lab7 Compulsory		5/1 Self studies	12/1 09.30-11.30: (BMM) Exam prep.
WED	9/12 09.30-12.30: L15 C-H Functionalization I (KS)	16/12 09.00-18.00: (MD, PT) Lab8 Compulsory		6/1	13/1 Self studies
THU	10/12 09.30-12.30: L16 C-H Functionalization II (KS)	17/12 09.00-18.00: (MD, PT) Lab9 + cleaning		7/1 Self studies	14/1 Self studies
FRI	11/12 09.30-12.30: L17 Reactions via allyl metal complexes (KS)	18/12 Self studies; preparation of Presentations; work on lab reports		8/1 22/12 09.30-12.30: Presentations II (BMM & KS) Compulsory	15/1 09.00-13.00 EXAM

	DEADLINE Reports LAB1-5			DEADLINE All LAB reports		
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NOTE:

Lectures and Exercises: 09.30-12.30 in **A501**

Lab exercises:
09.00-18.00 in **Lab1/Department of Organic chemistry?**

Lab report deadlines:
4/12/2020
8/1/2021

Exam:
15/1/2019 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)
Kálmán Szabó (KS)*

belen.martin.matute@su.se
kalman.j.szabo@su.se

*Course leader (kursansvarig)

Teaching Assistants:

Marie Deliaval (MD)
Pedro Tortajada (PT)

marie.deliaval@su.se
pedro.tortajada@su.se