# Schedule for KO7009 Organometallic Chemistry 15 ECTS HT 2024

**Department of Organic Chemistry**

| | V45 4-8 November 2024 | V46 11-17 November 2024 | V47 18-22 November 2024 | V48 25-29 November 2024 | V49 02 – 06 Dec 2024 |
|---|---|---|---|---|---|
| **MON** | **04/11 09.30-10.00**: Intro (BMM&KS)<br>**10.00-12.30**<br>L1 Chemical Bonding (KS) | **11/11 09.30-12.30**<br>L6 C-C bond Form.I (BMM) | **18/11 09.30-12.30**<br>L10 Carbonylations (BMM) | **25/11 09.30-12.30:**<br>L13 Nucleophilic Func. (BMM) | **02/12 09.30-18.00**<br>Lab1 *Compulsory* |
| **TUE** | **05/11 09.30-12.30**<br>L2 Metal Carbon bonding (KS) | **12/11 09.30-12.30**<br>L7 C-C bond Form. II (BMM) | **19/11 09.30-12.30**<br>E1 Problem solving I (KS) | **26/11 09.30-12.30**<br>E3 Problem solving III (KS)<br>**13.30-15.00** (MR/SH)<br>**Pre-Lab** A501 *Compulsory* | **03/12 09.00-18.00**<br>Lab2*Compulsory* |
| **WED** | **06/11 09.30-12.30**<br>L3 MO theory of metal complexes (KS) | **13/11 09.30-12.30**<br>*Self studies* | **20/11 09.30-13.30**<br>L11 Oxidations (KS) | **27/11 09.30-12.30**<br>L14 C-H Functionalization I (KS) | **04/12 09.00-18.00**<br>Lab3 *Compulsory* |
| **THU** | **07/11 09.30-12.30**<br>L4 Ligand exchange in metal complexes (KS) | **14/11 09.30-12.30**<br>L8 Heck Reaction (KS) | **21/11 09.30-12.30**<br>E2 Problem solving II (BMM) | **28/11 09.30-12.30**<br>L15 C-H Functionalization II (KS) | **04/12 09.00-18.00**<br>Lab4 *Compulsory* |
| **FRI** | **08/11**<br>**09.30-12.30**<br>L5 Reactions of organometallic complexes (KS) | **15/11 09.30-12.30**<br>L9 C-X and Enolates (BMM) | **22/11 09.30-12.30:**<br>L12 Allyl Metal (KS) | **29/11 09.30-12.30**<br>L16 Reductions (BMM) | **06/12**<br>Lab5 *Compulsory* |

| | V50 9-13 December 2024 | V51 16-20 December 2024 | V52 2024, V1 2025 | V2 6-10 January 2025 | V3 13-17 January 2025 |
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| **MON** | **9/12 09.00-18.00**<br>Lab6<br>*Compulsory* | **16/12 09.30-12.30:**<br>L17 Carbenes (KS)<br>**DEADLINE Reports 1-2** | | **6/01** | **13/1 09.30-12.30:**<br>**Exam prep.** (KS) |
| **TUE** | **10/12 09.00-18.00**<br>Lab7 *Compulsory* | **17/12 09.30-12.30**<br>E4 Problem solving IV (BMM) | **5/1**<br>**DEADLINE Reports 3-4** | **7/01** *Self studies* | **14/1 09.30-12.30:**<br>**Exam prep.** (BMM) |
| **WED** | **11/12 09.00-18.00**<br>Lab8<br>*Compulsory* | **18/12** *Self studies* | | **8/01** *Self studies* | **15/1** *Self studies* |
| **THU** | **12/12 09.00-18.00**<br>Lab9 + cleaning<br>*Compulsory* | **19/12 09.30-12.30:**<br>Presentations I (BMM & KS)<br>**19/12 13.30-15.30:**<br>Presentations II (BMM & KS)<br>*Compulsory* | | **9/01** *Self studies* | **16/1** *Self studies* |
| **FRI** | **13/12**<br>Self studies | **20/12 09.30-12.30:**<br>*Self studies* | | **10/01** *Self studies* | **17/1 09.00-13.00**<br>**EXAM** |

**NOTE:**

**Room: A501-A507**

**Lab report deadlines:**
**16 December 2022**
**5 January 2023**

**Exam:**
**17 January 2025 09.00-13.00**

**Literature**: Handouts distributed by the lecturers.
Recommended book: Organotrasition Metal Chemistry: From Bonding to Catalysis (ISBN: 9781891389535): John Hartwig: University Science books: Sausalito, CA.

**Lecturers**:


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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.