

Schedule Teaching Chemistry

Autumn 2018

This postgraduate course is designed for PhD students in Chemistry with little or no experience of teaching, and is focused at teaching assignments as assistants leading labs and exercises. The course is arranged by the Chemistry Section in the Faculty of Science. The course leader is Jenny Olander, the Department of Mathematics and Science Education (MND), jenny.olander@krc.su.se.

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| Before start | Each Ph. D. student is given the course syllabus (kursplan) and, if possible, a planning of the course that he or she is likely to teach. This will be used for the lesson planning day 2. | Director of Studies |
| | Assignment 1 Answer questions about your experience of teaching and Chemistry at Mondo. | Jenny Olander (JO) |
| 22/10 | 9.00 Introduction to the course Teaching Chemistry K441+K447 | JO |
| | Introduction to the Chemistry Section Leadership as a scientist and as a teacher Legal aspects of teaching, including assessment of lab reports and supervision of individual tasks and examinations. | Berit Olofsson Lennart Bergström |
| | 10.15 Group A: MMK, OK Introduction to the teaching laboratory, KÖL, K441 - Who is who at KÖL? - Work environment and Safety Rules - Round tour | Jakob Norinder (JN) Paula Jokela (PJ) and JO |
| | Group B: DBB, ACES Introduction to Mondo, K447 + K343 | |
| | 11.15 Group B: Introduction to the teaching laboratory, KÖL, K441 Group A: Introduction to Mondo, , K447 + K343 | JN PJ and JO |
| | 13-15 Assignment 2 Read through - "Work Environment and Safety Rules for KÖL-MMK" Sign the documents and hand in to the Student Office at KÖL, no later than 181025. | Individual work <i>Jakob is available for questions in his office (K349)</i> |
| 23/10 | 9-12 ACES in K441 and DBB in K447: Routines for teaching at your department | Directors of Studies at |
| | Intended learning outcomes of the courses given by the department. Examples of common pitfalls for students. Expectations on assistants leading labs and exercises. - Course requirements and laboration compendium - Controll of equipment and "pre-laboration" | DBB & ACES |

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| | | <ul style="list-style-type: none"> - Risk assessment - Planning and meetings - Assessment and feedback - The importance of deadlines | |
| 23/10 | 9-12 | MMK and OK in K241: Chemistry Teaching Lesson planning. Introduction to Assignment 4 | JO |
| | 13-16 | MMK in K441 and OK in K447: Routines for teaching at your department See above | Directors of Studies at MMK & OK |
| | 13-16 | ACES and DBB: Chemistry Teaching in K241 Lesson planning. Introduction to Assignment 4 | JO |
| 24/10 | 9-12 | Assignment 3 Read two given laboratory reports distributed by Director of Studies at MMK/OK/DBB/ACES. Give written feedback on the reports and mark them as a preparation to the afternoon workshop. | Individual work |
| | 13-16 | Workshop on assessment of lab reports OK in K241/DBB in K247 /ACES in K441 /MMK in K447 <ul style="list-style-type: none"> - What should be included in a lab report? - Criteria for lab report assessment - Routines for feedback to students including how many times a lab report can be resubmitted - Individual assessment of the given reports according to the criteria. Discussion on how the lab reports should be assessed. | Experienced lab assistant from each department. |
| 25/10 | 9-12 | Assignment 4 Making a lesson plan for one of the following: <ul style="list-style-type: none"> - Lab introduction including safety aspects - Introduction to lab report writing - Other teaching activity The lesson plan will be individually presented on Day 5. | Individual work <i>Jenny is available for questions in her office E257 or via e-mail</i> |
| | 13-15 | MMK and OK in K447: Equal Treatment at Stockholm University <ul style="list-style-type: none"> - How should one behave towards the students? - Where should the teacher put the limits for the students' behaviour? | Karin Steffensen |
| 26/10, 31/10 | 1,5 h per group | MMK and OK: Oral presentation of assignment 4 in small groups in K441. Giving feedback to course fellows. Separate schedule will be given via Mondo | JO |
| 29/10 | 10-12 | DBB and ACES in K447: Equal Treatment at Stockholm University | Karin Steffensen |
| After the course | | Assignment 5 Reflect on what you have learnt about teaching chemistry. The assignment should be handed in via Mondo before October 2th. | JO |