

KO 5001

Organic Chemistry – Reactivity and Structure

Autumn term 2020

Types of sessions and general schedule:

According to SU guidelines in relation to limiting the spread of the coronavirus, the time-schedule has been altered this year to minimize overlap with students in other courses at the Arrhenius Laboratory.

Lectures	A501	Morning: 10.15 – 13.00 or Afternoon: 14:00 – 17:00
Seminars	A501/K343/K438	Morning: 10.15 – 13.00 or online
Tutoring (<i>appointment only</i>)	A529/A626/A501	Morning: 10.15 – 13.00 // Afternoon: 14:00 – 18:00
Laboratory sessions (compulsory)	K422/K434	Full day: 10:15 – 18:00 or Afternoon: 14:00 – 18:00

Lecturers:

Abraham Mendoza (AM) – examiner & REAK lecturer	08 16 2481	abraham.mendoza@su.se
Göran Widmalm (GW) – SPEK lecturer	08 16 3742	goran.widmalm@su.se

Teaching Assistants:

Matteo Costantini (MC)	08 16 2466	matteo.costantini@su.se
Tautvydas Kireilis (TK)	08 16 2359	tautvydas.kireilis@su.se

Course literature:

- **[CGW]** Clayden, Greeves & Warren: Organic Chemistry; 2nd Edition, Oxford University Press 2012 (ISBN 978-0-19-927029-3) or Clayden, Greeves, Warren & Wothers: Organic Chemistry, Oxford University Press 2001 (ISBN 978-0-19-850346-0)
- **[FSK]** L.D. Field, S. Sternhell, J.R. Kalman: Organic Structures from Spectra, John Wiley & Sons, 4th edition (ISBN 978-0-470-31927-7)
- Handouts from lecturers and assistants

Demands to pass the theory course:

- Passed exam in nomenclature > 50% of the points required
- Passed exam part REAK (reactions & mechanisms) > 50% of the points required
- Passed exam part SPEK (spectroscopy theory & analysis) > 50% of the points required

Demands to pass the laboratory course:

- Passed exam in nomenclature (30% of the points required)
- Passed exam in safety (100% of the points required)
- Passed all lab reports
- Taken part in lab report writing sessions
- Taken part in lab presentation
- Taken part in lab cleaning

Schedule for KO 5001

Organic Chemistry – Reactivity and Structure

Autumn term 2020

Week 36

Mon	Ago 31	10.15 – 10.30	Course introduction	AM, GW, TK, MC	A501
		10.30 – 13.00	Lecture REAK-1	AM	A501
Tue	Sep 1	10.15 – 13.00	Lecture SPEK-1	GW	A501
		14.00 – 17.00	<i>Tutoring (optional, per appointment)</i>	TK, MC	A501
Wed	2	10.15 – 13.15	Exam: Nomenclature and safety	TK, MC	TBD
Thu	3	10.15 – 13.00	REAK Seminar 1	AM	A501
Fri	4	10.15 – 13.00	<i>Re-sit exam: Nomenclature and safety</i>	TK, MC	TBD
		14.00 – 17.00	Lab introduction	TK, MC	K422, K343

Week 37

Mon	Sep 7	10.15 – 13.00	Lecture SPEK-2	GW	A501
Tue	8	10.15 – 13.00	Lecture REAK-2	AM	A501
Wed	9	10.15 – 13.00	Lecture SPEK-3	GW	A501
		14.00 – 18.00	LAB 1 - ChemDraw and MNova software	TK, MC	K343
Thu	10	10.15 – 13.00	Lecture SPEK-4	GW	A501
Fri	11	10.15 – 13.00	SPEK Seminar 1	GW	A501
		14.00 – 18.00	LAB 2 - separation	TK, MC	K422

Week 38

Mon	Sep 14	10.15 – 13.00	LAB 2 - separation	TK, MC	K422
		14.00 – 17.00	Lecture REAK-3	AM	A501
Tue	15	10.15 – 18.00	LAB 2 - separation	TK, MC	K422
Wed	16	10.15 – 13.00	Lecture SPEK-5	GW	A501
Thu	17	10.15 – 18.00	LAB 2 - separation	TK, MC	K422
Fri	18	10.15 – 13.00	REAK Seminar 2	AM	A501

Week 39

Mon	21	10.15 – 13.00	Lecture REAK-4	AM	A501
		14.00 – 18.00	LAB report workshop	TK, MC	K343
Tue	22	10.15 – 18.00	LAB 3 - banana oil	TK, MC	K422
Wed	23	10.15 – 13.00	Lecture SPEK-6	GW	A501
Thu	24	10.15 – 13.00	LAB presentations	TK, MC	K438
Fri	25	10.15 – 13.00	SPEK Seminar 2	MC	A501

Week 40

Mon	Sep 28	10.15 – 13.00	Lecture REAK-5	AM	A501
Tue	29	10.15 – 13.00	SPEK Seminar 3	GW	A501
Wed	30	10.15 – 18.00	LAB 4 - Friedel-Crafts synthesis	TK, MC	K422
Thu	Oct 1	10.15 – 13.00	REAK Seminar 3	AM	A501
Fri	2	10.15 – 13.00	LAB 4 - Friedel-Crafts synthesis (<i>extra-time</i>)	TK, MC	K422

Week 41

Mon	5				
Tue	6	10.15 – 13.00	<i>Tutoring (optional, per appointment)</i>	TK, MC	A501
Wed	7	10.15 – 13.00	<i>Tutoring (optional, per appointment)</i>	GW	A626
Thu	8	10.15 – 15.15	Exam: SPEK	TK, MC	K233, 239
Fri	9	10.15 – 13.00	Lecture REAK-6	AM	A501

Week 42

Mon	Oct 12	10.15 – 13.00	Lecture REAK-7	AM	A501
Tue	13	10.15 – 18.00	LAB 5 - ibuprofen intermediate synthesis	TK, MC	K422
Wed	14	10.15 – 13.00	Lecture REAK-8	AM	A501
Thu	15	10.15 – 13.00	LAB cleaning (<i>extra-time</i>)	TK, MC	K422
		14.00 – 18.00	LAB report workshop	TK, MC	K343
Fri	16	10.15 – 13.00	REAK Seminar 4	AM	A501

Week 43

Mon	Oct 19	10.15 – 13.00	Lecture REAK-9	AM	A501
Tue	20	10.15 – 13.00	Lecture REAK-10	AM	A501
Wed	21	10.15 – 13.00	REAK Seminar 5	AM	A501
Thu	22				

Fri 23 DEADLINE reports

Week 44

Mon	Oct 26	10.15 – 13.00	REAK exam practice	AM	A501
Tue	27				
Wed	28	10.15 – 13.00	<i>Tutoring (optional, per appointment)</i>	AM	A529
Thu	29	10.15 – 13.00	<i>Tutoring (optional, per appointment)</i>	TK, MC	A501
Fri	30	10.00 – 15.00	Exam: REAK	TK, MC	K233,K239

Week 46

Mon	Nov 9	10.00 – 15.00	Re-exam SPEK LADOK registration required	TK, MC	K233
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Week 50

Wed	Dec 9	10.00 – 15.00	Re-exam REAK LADOK registration required	TK, MC	K233
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IMPORTANT: The deadline for all the laboratory reports is indicated above.

After the course period the reports will be corrected whenever the assistants have the time, and a fast response is therefore not warranted. To avoid disappointment and curricular issues, it is important to keep the set deadline for the reports.

Appointment is required to participate in the **tutoring sessions** scheduled. Please kindly use Athena before the deadline indicated to communicate your intention of using this resource.