KO 5001
Organic Chemistry – Reactivity and Structure
Autumn term 2018

Types of sessions and general schedule:

Lectures	A501	Morning: 09:30 – 12:30
Seminars	A501/K233	Morning: 09:30 – 12:30
Tutoring (*appointment only*)	A529/A501	Morning: 09:30 – 12:30 // Afternoon: 13:30 – 18:30
Laboratory exercises (**compulsory**)	Lab K340	Full day: 09:30 – 18:30 *or* Afternoon: 13:30 – 18:30

Lecturers:

Abraham Mendoza (AM) – coordinator & REAK part	16 24 81	abraham.mendoza@su.se
Göran Widmalm (GW) – SPEK part	16 24 84	ake.pilotti@su.se

Teaching Assistants:

Marvin Lubke (ML)	16 23 59	marvin.luebcke@su.se
Matteo Costantini (MC)	16 24 66	matteo.costantini@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 2018

Week 1 [36]

Mon	Sep 3	09.30 – 10.00	Course introduction	AM, GW, ML, MC	A501
		10.00 – 12.30	Lecture REAK-1	AM	A501
Tue	4	09.30 – 12.30	Lecture SPEK-1	GW	A501
		13.30 – 16.30	*Tutoring (optional, per appointment)*	ML, MC	tbd
Wed	**5**	**09.30 – 12.30**	**Exam: Nomenclature and safety**	**ML, MC**	**A501**
Thu	6	09.30 – 12.30	REAK Seminar 1	AM	A501
Fri	7	09.30 – 12.30	Lab Introduction *& resit Exam: Nomenclature and safety*	ML, MC	A501

Week 2 [37]

Mon	Sep 10	09.30 – 12.30	Lecture SPEK-2	GW	A501
Tue	11	09.30 – 18.30	Lab 1	ML, MC	K340
Wed	12	09.30 – 12.30	Lecture REAK-2	AM	A501
Thu	13	09.30 – 12.30	Lecture SPEK-3	GW	A501
Fri	14	09.30 – 12.30	SPEK Seminar 1	GW	A501

Week 3 [38]

Mon	Sep 17	09.30 – 18.30	Lab 2	ML, MC	K340
Tue	18	09.30 – 18.30	Lab 3	ML, MC	K340
Wed	19	09.30 – 12.30	Lecture REAK-3	AM	A501
Thu	20	09.30 – 18.30	Lab 4	ML, MC	K340
Fri	21	09.30 – 12.30	REAK Seminar 2	AM	A501

Week 4 [39]

Mon	Sep 24	09.30 – 12.30	Lecture REAK-4	AM	A501
		13.30 – 18.30	*Scientific report workshop*	ML, MC	tbd
Tue	25	09.30 – 18.30	Lab 5	ML, MC	K340
Wed	26	09.30 – 12.30	Lecture SPEK-4	GW	A501
Thu	27				
Fri	28	09.30 – 12.30	Lecture REAK-5	AM	A501

Week 5 [40]

Mon	Oct 1	09.30 – 12.30	Lecture SPEK-5	GW	A501
Tue	2	09.30 – 12.30	Lecture REAK-6	AM	A501
Wed	3	09.30 – 12.30	Lecture SPEK-6	GW	A501
Thu	4	09.30 – 12.30	Lecture REAK-7	AM	A501
Fri	5	09.30 – 12.30	SPEK Seminar 2	ML, MC	A501

Week 6 [41]

Mon	Oct 8	09.30 – 12.30	SPEK Seminar 3	GW	A501
Tue	9	09.30 – 12.30	*Tutoring (optional, per appointment)*	ML, MC	A529
Wed	10	09.30 – 12.30	*Tutoring (optional, per appointment)*	GW	K233
Thu	**11**	**09.00 – 14.00**	**Exam: SPEK**	**ML, MC**	**A501**
Fri	12	09.30 – 12.30	Lab 6	ML, MC	K340
		13.30 – 18.30	Lab introduction to separation techniques	ML, MC	tbd

Week 7 [42]

Mon	Oct 15	09.30 – 12.30	REAK Seminar 3	ML, MC	A501
		13.30 – 18.30	Lab 7	ML, MC	K340
Tue	16	09.30 – 18.30	Lab 7	ML, MC	K340
Wed	17	09.30 – 18.30	Lab 7	ML, MC	K340
Thu	18	09.30 – 12.30	Lecture REAK-8	AM	A501
		13.30 – 18.30	Lab 7	ML, MC	K340
Fri	19	09.30 – 12.30	Lecture REAK-9	AM	A501
		13.30 – 18.30	Lab cleaning (and extra-time)	ML, MC	K340

Week 8 [43]					
Mon	Oct 22	09.30 – 12.30	Lab report workshop	ML, MC	tbd
Tue	23	09.30 – 12.30	Lecture REAK-10	AM	A501
Wed	24				
Thu	25	09.30 – 12.30	REAK Seminar 4	AM	A501
Fri	**26**	**09.30 – 18.30**	**Lab presentations and DEADLINE reports**	**ML, MC**	**A501**
Week 9 [44]					
Mon	Oct 29	09.30 – 12.30	REAK Seminar 5	ML, MC	A501
Tue	30				
Wed	31	09.30 – 12.30	*Tutoring (optional, per appointment)*	AM	A529
Thu	Nov 1	09.30 – 12.30	*Tutoring (optional, per appointment)*	ML, MC	tbd
Fri	2	09.30 – 12.30	**Exam: REAK**	ML, MC	A501

IMPORTANT: The deadline for the laboratory reports is **Friday, October 26th, 2018** (see above).
After November 1st, 2016 the reports will be corrected whenever the assistants have the time. A fast response is therefore not waranteed. To avoid disappointment and curricular issues, **keep the set deadline for the reports**.

The **resit exam** for the SPEK part is penciled for **Tuesday, November 20th, 2018 (09.00 – 14.00)**.
The **resit exam** for the REAK part is penciled for **Tuesday, November 27th, 2018 (09.00 – 14.00)**.
Nevertheless, the time of the exam might be adjusted (within week 47) to match the students' schedule, if appropriately documented.

Appointment is required to participate in the **tutoring sessions** scheduled before exams. Please kindly let the person in charge of the tutoring session know of your intention of attending using the contact information provided. **A 24 hour advance notice is strongly recommended**.