

Experimental Physics 5c, condensed matter (Jourdan/ Weber), SoSe2019

	Date	Week	lecturer	Topic	
1	Di, 16. Apr. 2019	W1	MJ	Chemical bonds and structure	
2	Do, 18. Apr. 2019		MJ	Crystal structures in solids	
3	Di, 23. Apr. 2019	W2	MJ	Diffraction/ structure determination	
4	Do, 25. Apr. 2019		MJ	Reciprocal lattice	
5	Di, 30. Apr. 2019	W3	MJ	Thermal properties of solids	
6	Do, 2. Mai 2019		MJ	Thermal properties of solids	
7	Di, 7. Mai 2019	W4	SW	Free electrons, Drude model	
8	Do, 9. Mai 2019		SW	Free electrons, Sommerfeld model	
9	Di, 14. Mai 2019	W5	SW	Surface effects	
10	Do, 16. Mai 2019		SW	Bloch waves, band model	
11	Di, 21. Mai 2019	W6	SW	Effective mass, cyclotron resonance	
12	Do, 23. Mai 2019		SW	Semiconductors: intrinsic conductivity	
13	Di, 28. Mai 2019	W7	SW	Semiconductors: extrinsic conductivity, p-n junction	
14	Di, 4. Jun. 2019	W8	SW	Basics of photovoltaics	
15	Do, 6. Jun. 2019		SW	Basics of photovoltaics	
16	Di, 11. Jun. 2019	W9	SW	Basics of soft matter physics	
17	Do, 13. Jun. 2019		SW	Basics of soft matter physics	
18	Di, 18. Jun. 2019	W10	MJ	Introduction to magnetism	
19	Di, 25. Jun. 2019	W11	MJ	Introduction to magnetism	
20	Do, 27. Jun. 2019		MJ	Spintronics	
21	Di, 2. Jul. 2019	W12	MJ	Introduction to superconductivity	
22	Do, 4. Jul. 2019		MJ	Introduction to superconductivity	
23	Di, 9. Jul. 2019	W13	MJ	Lab tour	
24	Do, 11. Jul. 2019		MJ	Examination (written)	