Mineralogy and Petrology

Week	Weekday	Date	Time	Room	Topic	Activity
v 4	Mon	2025-01-20	10:00-12:00	U13	1. Introduction to mineralogy	Lecture
			13:00-16:00	U13	Lab. 1 Review of physical properties of minerals	Lab
v 4	Tue	2025-01-21	10:00-12:00	U13	2. Optical Mineralogy	Lecture
			13:00-16:00	U28	Lab. 2 Optics practical	Lab
v 4	Wed	2025-01-22	10:00-12:00	U13	3. Rock forming minerals 1	Lecture
			13:00-16:00	U28	Lab. 3 Ortho, di, chain silicates	Lab
v 4	Thur	2025-01-23	10:00-12:00	U13	4. Rock forming minerals 2	Lecture
			13:00-16:00	U28	Lab. 4 Sheet and framework silicates	Lab
v 4	Fri	2025-01-24			Self study	
					Self study	
v 5	Mon	2025-01-27	10:00-12:00	U28	5. Introduction to Siliciclastic sedimentology	Lecture
			13:00-16:00	U28	Lab. 5 Siliciclastic sediments and rocks - thin sections	Lab
v 5	Tue	2025-01-28	10:00-12:00	U28	6. Igneous Rock classification	Lecture
			13:00-16:00	U28	Lab. 6 IUGS modal classification	Lab
v 5	Wed	2025-01-29	10:00-12:00	U13	7. Igneous textures	Lecture
			13:00-16:00	U28	Lab. 7 Describing thin sections	Lab
v 5	Thur	2025-01-30	10:00-12:00	U13	8. Applied mineralogy	Lecture
			13:00-16:00	U28 + WO	Lab. 8 Applied mineralogy + IGV Seminar	Lab
v 5	Fri	2025-01-31			Self study	
					Self study	
v 6	Mon	2025-02-03	10:00-12:00	U13	9. Igneous Volcanic Textures	Lecture
			13:00-16:00	U28	Lab. 9 Volcanic thin-sections	Lab
v 6	Tue	2025-02-04	10:00-12:00	U13	10. Igneous Petrology - Intrusive textures	Lecture
			13:00-16:00	U28	Lab. 10 Plutonic thin-sections	Lab
v 6	Wed	2025-02-05	10:00-12:00	U13	11. Applied Igneous Petrology	Lecture
			13:00-16:00	U28	Lab. 11 Applied Igneous Petrology	Lab
v 6	Thur	2025-02-06	10:00-12:00	U13	12. Introduction to metamorphism	Lecture
			13:00-16:00	U28	Lab. 12 Metamorphic rocks in hand sample-thin section	Lab
v 6	Fri	2025-02-07			Self study	
					Self study	
v 7	Mon	2025-02-10	10:00-12:00	U13	13. Metamorphic textures	Lecture
			13:00-16:00	U28	Lab. 13 Metamorphic textures in thin-section	Lab
v 7	Tue	2025-02-11	10:00-12:00	U13	14. Metamorphic reactions	Lecture
			13:00-16:00	U28	Lab. 14 Metamorphic reactions in thin-section	Lab
v 7	Wed	2025-02-12	10:00-12:00	U13	15. Applied Metamorphic/Sedimentary Petrology	Lecture
			12:00-16:00	Aula Magna	Career day	
v 7	Thur	2025-02-13	10:00-16:00	U28	Microscope day /Self study	Lab/Reading
v 7	Fri	2025-02-14	10:00-16:00	U13	**Paper presentation and discussion**	Exam
v 8	Mon	2025-02-17	10:00-16:00	U28	Microscope/Self study	Lab/Reading
v 8	Tues	2025-02-18	9:30-12:30	U28	**EXAM**	Exam
			13:30-16:30	U28	**EXAM**	Exam
v 8	Wed	2025-02-19				

Course literature

C. Klein & A. Philpotts, 2012 or 2017. Earth Materials: Introduction to Mineralogy and Petrology. Cambridge University Press.

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