

Short course and workshop

**“Emission (Luminescence) and Optical Absorption Spectroscopy: Basis and Applications in Earth Sciences”**

Time	Monday, March 3	Tuesday, March 4	Wednesday, March 5	Thursday, March 6	Friday, March 7
09-10	<p><b>10:45-11:30 Opening</b> (welcome, introduction, group ass., general info.; 2B204)</p> <p><b>11:30-12:15 Seminar</b> Physical basics of spectroscopy I (Nasdala; 2B204)</p> <p>=lunch break=</p> <p><b>14:00-15:00 Seminar</b> Physical basics of spectroscopy II (Libowitzky; 2B284)</p> <p>=coffee break=</p> <p><b>15:15-17:15 Seminar</b> Introduction to optical absorption and the colour of minerals (Wildner; 2B284)</p> <p><b>17:45-18:45 Public talk</b> (D. Weiß; 2A122)</p>	<p><b>9:00-9:45 Seminar</b> Introd. lum. (Nasdala; 2B284)</p> <p><b>9:45-10:05 Talk</b> (G. King; 2B284)</p> <p><b>10:05-10:25 Talk</b> (F. Deon; 2B284)</p> <p>=coffee break=</p> <p><b>10:45-12:15 Seminar</b> Crystal field (Wildner; 2B284)</p>	<p><b>9:00-11:15</b> <b>Experimental work II</b> (laboratories)</p> <p>=coffee break=</p> <p><b>11:30-12:30 Public talk</b> (M. Gaft; 2A120)</p>	<p><b>9:00-11:15</b> <b>Experimental work III</b> (laboratories)</p> <p>=coffee break=</p> <p><b>11:30-12:15 Seminar</b> Luminescence applications &amp; imaging (Nasdala; 2B284)</p>	<p><b>9:00-9:45 Talk</b> (L. Nasdala; 2B284)</p> <p><b>9:45-10:00 Talk</b> (K. Ruschel; 2B284)</p> <p><b>10:00-10:30 Talk</b> (A. Juhin; 2B284)</p> <p>=coffee break=</p> <p><b>10:50-11:50 Public talk</b> (T. Häger; 2A120)</p> <p>11:50-12:15 final discussion</p>
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11-12					
12-13					
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14-15	<p>=coffee break=</p> <p><b>15:15-17:15 Seminar</b> Introduction to optical absorption and the colour of minerals (Wildner; 2B284)</p> <p><b>17:45-18:45 Public talk</b> (D. Weiß; 2A122)</p>	<p><b>14:00-16:15</b> <b>Experimental work I</b> (laboratories)</p> <p>=coffee break=</p> <p><b>16:30-17:30 Public talk</b> (A.M. Zaitsev; 2B204)</p> <p><b>18:00 Workshop dinner</b> (Reznicek)</p>	<p>Afternoon free for discovering the city centre</p> <p>Option to see the famous mineral collection of the Naturhistorisches Museum:</p> <p><b>14:00-16:00</b> <b>Tour guided by Dr. V. Hammer (NHM Wien)</b> (free admittance for course participants and speakers)</p>	<p><b>14:15-15:00 Seminar</b> Selection rules and absorption intensity (Wildner; 2B284)</p> <p>=coffee break=</p> <p><b>15:15-16:15 Public talk</b> (U. Hälenius; 2B204)</p> <p><b>16:20-16:40 Talk</b> (C. Mendoza; 2B204)</p> <p><b>16:40-17:30 Talk</b> (A. Derwahl; 2B204)</p>	<p>after 14:00: labs available for the analysis of participants' own samples</p>
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16-17					
17-18					
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All seminars, talks, laboratory sessions, and coffee breaks: Building “Geozentrum”, Althanstr. 14, 1090 Wien.

(2A120 = lecture hall 1 ; 2A122 = lecture hall 2 ; 2B204 = Eberhard Clar Saal ; 2B284 = seminar room mineralogy ; laboratories = 2B345/2B346/2B347)

Tuesday evening, workshop dinner: Restaurant “Zum Reznicek”, Reznicekgasse 10, 1090 Wien (about 500 metres from the Geozentrum)

Wednesday afternoon, museum tour: Naturhistorisches Museum, Burgring 7, 1010 Wien (15 minutes by tram from the Geozentrum)