

Short course and workshop “**Non-destructive analysis of gemstones and other geo-materials**” (March 2–6, 2009).

Time	Monday, March 2	Tuesday, March 3	Wednesday, March 4	Thursday, March 5	Friday, March 6
09-10	<p>=registration, coffee= 10:15 Opening (2B204) (welcome, introduction, group assignment, general info.) 11:00-11:50 Seminar (2B204) Introduction to gem materials I (Beran, Hammer) <i>12:00 Photograph</i></p> <p>=lunch break=</p> <p>14:00-14:50 Seminar (2B204) Introduction to gem materials II (Beran, Hammer) 14:50-15:40 Seminar (2B204) Overview of spectroscopic techniques (Libow.) =coffee break= 16:00-17:30 Seminar (2B204) X-ray techniques: General intro. (Žák) 17:45-18:45 Public talk (ÖMG lecture series; 2A122) (M. Krzemnicki)</p>	<p>9:15-10:00 Seminar (2B204) X-ray techniques: Appl. to gemstones (Giester) =coffee break= 10:15-11:45 Seminar (2B204) Vibrational and electr. spectroscopy (Nasdala)</p>	<p>9:15-10:00 Seminar X-ray powder diffraction of unprepared samples (Hammer) 10:00-12:00 Lab demonstration X-ray diffraction (first half)***</p>	<p>9:00-10:00 Seminar (2B204) Colours of minerals and gemstones (Wildner) =coffee break= 10:15-12:15 Experimental work II (laboratories)</p>	<p>9:00-9:45 Seminar (2B204) Gem spectroscopy (Nasdala) 9:45-10:05 Talk (2B204) (B. Pichaikamjornwut) 10:05-10:40 Talk (2B204) (S. Karampelas) =coffee break= 11:00-12:00 Public talk (2A120) (L. Tretiakova) 12:00-12:30 final discussion</p>
10-11					
11-12					
12-13		=lunch break=	=lunch break=	=lunch break=	=lunch break=
13-14					
14-15	<p>13:45-15:45 Experimental work I (laboratories) =coffee break= 16:00-16:30 Talk (2B201) (W. Wongkokua, S. Pongkrapan) 16:30-17:20 Public talk (2B201) (T. Häger) 17:20-18:00 Public talk (2B201) (W. Hofmeister) 18:30 Workshop dinner (Reznicek)</p>	<p>13:45-15:45 Lab demonstration X-ray diffraction (second half)*** 16:00 Gemstone collection in the Museum of Natural History (guided tour, V.M.F. Hammer)</p>	<p>14:00-16:00 Experimental work III (laboratories) =coffee break= 16:15-16:35 Talk (2B204) (J. McNeill) 16:35-16:55 Talk (2B204) (K. Ruschel, D. Talla) 16:55-17:55 Public talk (2B204) (T. Hainschwang)</p>	<p>after 14:00: labs available for the analysis of participants' own samples</p>	
15-16					
16-17					
17-18					
18-					

Monday, Tuesday, Thursday, and Friday: Institut für Mineralogie und Kristallographie, Building “Geozentrum”, Althanstr. 14, 1090 Wien.
 Experimental work in laboratories (three groups): 2A174, 2B346, 2B347.

Wednesday: Naturhistorisches Museum, Burgring 7, 1010 Wien (city centre, 15 minutes by tram from the Geozentrum).

*** = Demonstration of X-ray powder diffraction of unprepared samples in the laboratory of the Museum of Natural History, for one half of the participants. The other half has the opportunity to see the excellent mineral display and other exhibitions of the Museum of Natural History during that time, and vice versa.

Tuesday evening, workshop dinner: Restaurant “Zum Reznicek”, Reznicekgasse 10, 1090 Wien (about 500 m from the Geozentrum building, close to a D tram stop).