

NANO-161, VS-2018,

Pensum bok:

**Materials Characterization: Introduction to Microscopic and Spectroscopic Methods
Yang Leng, 2. Ed. ISBN: 9783527334636**

Book Chapter	Section	Details
1. Light microscopy	1.1	
	1.2	
	1.3	
	1.4	
	1.5	
2. X-ray diffraction methods	2.1	
	2.2	
	2.3	
	2.4	Not part of pensum
3. TEM	3.1	
	3.2	
	3.3	
	3.4	
	3.5	Not part of pensum
4. SEM	4.1	
	4.2	
	4.3	
	4.4	
	4.5	
	4.6	
5. SPM	5.1	
	5.2	
	5.3	
	5.4	
6. X-ray spectroscopy	6.1	
	6.2	
	6.3	
	6.4	
7. Electron spectroscopy	7.1	
	7.2	
	7.3	
	7.4	7.4.1.3 - 7.4.3 not part of pensum

8. SIMS	8.1	
	8.2	
	8.3	
	8.4	Not part of pensum
	8.5	Nor part of pensum
9. Vibrational spectroscopy		
	9.1	
	9.2	
	9.3	Not part of pensum
	9.4	Nor part of pensum
10. Thermal analysis	Not part of pensum	Not part of pensum

In Addition:

Supplementary information covering crystallography which is not included in this book, available on MittUiB. Lab exercise handouts and all the lecture presentations also available on MittUiB