

Electron microscopy practical syllabus

Week	Topic
1	Introduction to Electron Microscopy + Safety measures
2	EM areas: Preparation, Sectioning, EM room, Dark room
3	Preparation of buffer solutions & fixatives
4	Collection of sample
5	Sample fixation
6	Sample dehydration
7	Sample embedding
8	Knife making + Sectioning of the capsule
9	Grids + Staining the sections
10	Artifacts + Deparaffinization
11	SEM (Scanning Electron Microscope)