



Schedule for "Optical Microscope, Polarizing optical microscope"

(With heating facility) course

Session	Day – 1	Day – 2	Day – 3
Morning	Polarized light Refractive index Birefringence: optical anisotropy Instrument set up	Introduction & theory Temperature controlled hot stage Basics of Liquid Crystals	Evaluation Written test: Theory
Afternoon	Experiment: Identification of optically isotropic and anisotropic samples using polarizing optical microscope. Determination of sample birefringence	Experiment: Identification of liquid crystal phases Determination of phase transition temperatures.	Evaluation Lab work: Instrumentation basics of polarizing optical microscope

Instructors:

Dr Shankar Rao

Dr Geetha Nair

Detail about the instrument is provided on the following link:

http://crf.cens.res.in/facilities/GH-POL/

