



**PH213 Aug 0:4**

## **Advanced experiments in condensed matter physics**

### **Instructor**

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### **Teaching Assistant**

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Email: -

### **Department: Physics**

Course Time: 2.00 pm to 5.00 pm

Lecture venue: Experiments are conducted at different labs

Detailed Course Page:

## **Announcements**

### **Brief description of the course**

hands on experience in different experiments pertaining to condensed matter physics

### **Prerequisites**

UG students (final year), masters, IPhD and PhD students.

### **Syllabus**

MBE deposition of films, Sputter deposition of film, XRD, XRR, XPS, 4-probe resistivity, Helium cryostats,

VSM, DSC, UV-Vis spectroscopy etc.

### **Course outcomes**

hands on training on diverse experimental tools and data analysis that an experimental condensed matter

physicist requires.

### **Grading policy**

continuous evaluation, 50% midterm and 50% final

### **Assignments**

### **Resources**