



UMT202 January 2:1

Structure of Materials

Instructor

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Teaching Assistant

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Department: UG

Course Time: Tu Thu 5-6PM

Lecture venue: Old Physics Bldg

Detailed Course Page:

Announcements

Brief description of the course

The course will provide an introduction into crystal structure, microstructure and defects in materials and how these affect material properties

Prerequisites

None

Syllabus

Crystal structure and symmetry

Point defects, line defects and extended defects

Characterisation

Course outcomes

Basic understanding of structure, microstructure and property correlation in materials

Grading policy

I Midterm: 15

II Midterm: 15

Assignments + Tutorials: 05

Lab Reports: 15

Sessional Total: 50

Final Exam: 35

Lab Viva: 15

Finals Total: 50

Assignments

Periodic assignments throughout the course

Resources

Lecture notes will be provided. Material taken from various sources