

Constitution of Alloys and Phase Diagram:- Prof Sushanta Kumar Panigrahi, IIT Madras

Relevant course: **Engineering Material & Metallurgy**

Relevant department: Mechanical

Course outline:

Constitution of alloys – Solid solutions, substitutional and interstitials – Phase diagrams and microstructure development: Isomorphous, eutectic, peritectic, eutectoid and peritectoid alloy systems. Iron-Iron carbide equilibrium diagram.