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0.1 Coursework and exam

- Metallography and Microstructure Lab week (week 26), held in Materials Lab Sub Basement Roberts.
- Manufacturing Case Study Friday afternoon consultancy slots (14:30 onwards), Materials Lab Sub Basement Roberts.
- One three hour exam, consistent of two sections: MCQ (sort of?) and conventional. Timetabled revision slots in summer term.

Add notes about the following topcis:

- Cracking welding vs riveting, arrestment of cracks in a material.
- Casting and forging in context of manufacturing processes, perocity of a liquid vs a solid.
- Crystalline and amorphous solids materials which are one or the other, both or both in different capcaities, look into molecular structure of each, crystallinity is a degree of structure which affects its properties.
- Plasticity and deformations in metals and other materials.

Structure - Property Relationship at the heart of all Material Science.

Manufacturing (Processing)		
Structure	Property	

Categories of materials - these all have different structures and hence properties.

- Metals
- Ceramics
- Polymers
- Composites a mix of the other three above (physical mix), provides an extra level of structure for scientists to work with.