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Principles and Applications of Engineering Materials | GTPE
MSE 2001- B: Principles and Applications of Engineering Materials – Summer 2017 Catalog Description: (3-0-3) The structure-property-processing-performance relationships of engineering materials are described. Materials selection is treated as a part of engineering design.

Syllabus Outline MSE 2001- B: Principles and Applications ...
MSE 2001: Principles and Applications of Engineering Materials (required) Catalog Description: (3-0-3) Prerequisites: CHEM 1310 General Chemistry I or CHEM 1211K Chemical Principles I The structure-property-processing-performance relationships of engineering materials are described. Materials selection is treated as a part of engineering design.

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This unit gives learners the opportunity to extend their knowledge of engineering materials, their properties and applications. Unit introduction In-depth knowledge of the structure and behaviour of engineering materials is vital for anyone who is expected to select or specify them for applications within the engineering industry.

Unit 10: Properties and Applications of Engineering Materials
The courses and lectures cover a wide variety of subjects on the fields: solid state chemistry, atomistic computer modeling of materials, physics of materials, structure of materials, science and technology of polymers, defects in materials, electroceramics, materials characterization, X-ray crystallography, chemistry of Materials, structural analysis of nanomaterials, optoelectronic materials ...

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