



Satuan Acara Pengajaran

ENMT801002 - Material Teknik

Pengajar

Prof. Dr. Ir. Akhmad Herman Yuwono M.Phil.Eng.

Tujuan Perkuliahan

Mahasiswa mampu menjelaskan teori fundamental dan menganalisis sifat mekanik, fisik dan fungsional dari material serta penerapannya dalam industri termasuk aspek teknologi dan prosedur seleksi material.

Minggu 1

Materi	Introduction to Engineering Materials
Media	LCD Projector
Referensi	Callister, W.D., Materials Science and Engineering: An Introduction, 8th ed., John Wiley & Sons, 2010
Aktivitas	Lecture, discussion

Minggu 2

Materi	The Basics Structure of Crystalline Solids
Media	LCD Projector
Referensi	Callister, W.D., Materials Science and Engineering: An Introduction, 8th ed., John Wiley & Sons, 2010
Aktivitas	Lecture, discussion

Minggu 3

Materi Materials and Human Civilization

Media LCD Projector

Referensi Callister, W.D., Materials Science and Engineering: An Introduction, 8th ed., John Wiley & Sons, 2010

Aktivitas Student presentation, discussion

Minggu 4

Materi Ferrous and Non-ferrous Metals

Media LCD Projector

Referensi Callister, W.D., Materials Science and Engineering: An Introduction, 8th ed., John Wiley & Sons, 2010

Aktivitas Lecture, discussion

Minggu 5

Materi Engineering Polymers

Media LCD Projector

Referensi Callister, W.D., Materials Science and Engineering: An Introduction, 8th ed., John Wiley & Sons, 2010

Aktivitas Lecture, discussion

Minggu 6

Materi Engineering Ceramics

Media LCD Projector

Referensi Callister, W.D., Materials Science and Engineering: An Introduction, 8th ed., John Wiley & Sons, 2010

Aktivitas Lecture, discussion

Minggu 7

Materi Mid semester exam

Media

Referensi

Aktivitas
