ME 215 – ENGINEERING MATERIALS I

Lecturer:
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Course Details:
Go to www1.gantep.edu.tr/~bozdana, and click COURSES

Course Outline:
1. Engineering Materials
2. Design Engineering and Selection of Materials
3. Properties in Tension and Compression
4. Properties in Bending and Shear
5. Hardness and Hardness Testing
6. Fatigue Properties
7. Brittle Fracture and Impact Properties
8. High Temperature (Creep) Properties

Lecture Notes:
Lecture notes are available at the course website.

Reference Books:
- Properties of Materials for Design (Prof. Dr. Alp Esin)
- Mechanical Metallurgy (George E. Dieter)

Grading:
- Two Midterm Exams
- Laboratory Tests & Reports
- Homeworks & Quizzes (optional)
- Final Exam