

**ME 251**  
**MATERIALS ENGINEERING LABORATORY**

Instructor : Jayabrata Chaudhuri

Fall 2001.

Office : 101J EB

Office Hours : Friday 2pm to 4 pm.

Tel(office) : 978-3402

General Remarks:

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- 1) Safety instructions must be observed while in the laboratory. Any student found to be negligent would be dismissed and considered to be absent.
- 2) Lab reports submitted after the deadline specified will be penalized at the rate of 10 points per day, weekends and holidays included. After 5 days, the penalties will not increase further.
- 3) Any report receiving a failing grade (<60%) before late penalties may be rewritten and resubmitted. The grades will be averaged and will be included in the semester total. Rewrites must be submitted within one week of the day the original report is returned.
- 4) Reports will be graded on neatness, grammar, spelling, general organization and technical content. At Wichita State, Corel WordPerfect is available which has a spell check. All reports must be typed or computer generated on 8.5 X 11-inch paper.
- 5) Attendance at all laboratories is mandatory. Reports received for a lab, which the student has not attended, will not be accepted. Any student not able to attend a session should contact me a few days before the lab session.
- 6) The format specified in the lab manual for preparation of reports should be used.

Grading:

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Reports (6x60)=360

Final Exam =150

Total 510

Grade A = 459 to 510

Grade B = 408 to 458

Grade C = 357 to 407

Grade D = 306 to 356

Grade F = Below 306

Schedule:

Events -----	Time -----
1)Introduction and Library Tour	08/22/2001
2)Tension Testing	08/29/2001
3)Tension Testing of Plastics & Composites	09/12/2001
4)Heat Treatment of steel & its effect on hardness and impact properties	09/19/2001
5)Fatigue Lifetimes of smooth and notched specimen	10/03/2001
6)Determination of Ductile-Brittle Transition Temperature Using The Charpy Impact Test	10/10/2001
7)Room Temperature Creep	10/24/2001
8) Review Session	10/31/2001
9)Study break for Final Exam (Comprehensive final)	11/14/2001