

**Michigan State University
Department of Chemical Engineering**

ChE 472: Composite Materials Processing

Fall 03

LABORATORY ASSIGNMENTS

The preliminary planning report should be presented to the TA for approval at the start of the second period of the cycle. The final report is due a week after the fourth period of the cycle and will be collected by the TA. The structure of the final report should be laid out by the fourth period; you will use this last period typically to fill in some gaps in your data and avoid putting off major data gathering to this period.

Tuesday Lab

Dates Group	9/02, 9/19, 9/16, 9/23	9/30,10/7,10/14, 10/21	10/28,11/4, 11/11,11/18
A	Thermal Characterization of Resins	Compression Molding	Viscosity of Thermosetting Resins
B	Mechanical Testing	Microscopic Inspection	Compression Molding
C	Microscopic Inspection	Extruder	Mechanical Testing
D	Morgan Press	Mechanical Testing	Thermal Characterization of Resins
E	Extruder	Thermal Characterization of Resins	Morgan Press

Thursday Lab

Dates Group	9/04, 9/11, 9/18, 9/25	10/02,10/9,10/16, 10/23	10/30,11/6, 11/13,11/20
A	Thermal Characterization	Mechanical Testing	Extruder
B	Mechanical Testing	Thermal Characterization	Compression Molding
C	Extruder	Compression Molding	Viscosity of Thermosetting Resins