

MFG - Manufacturing Systems Engineering

Manufacturing Systems Engineering: MFG

Lower-Division Courses

Upper-Division Courses

Graduate Courses

MFG 197, 397, 597, 697. Research Problems.

Problem selected by the student with approval of the graduate adviser. For each semester hour of credit earned, the equivalent of one class hour a week for one semester. Prerequisite: Graduate standing in manufacturing systems engineering and consent of the graduate adviser.

MFG 397K. Topics in Advanced Manufacturing Systems Engineering.

Selection of topics based on needs of an adequate number of students. The equivalent of three class hours a week for one semester. May be repeated for credit when the topics vary. Prerequisite: Graduate standing in manufacturing systems engineering and consent of instructor.

Topic 1: Advanced Packaging Materials.

Topic 2: Signal Integrity in High-Speed Digital Systems.

Topic 3: Thermal Management in Packaging.

MFG 397M. Graduate Research Internship.

Research associated with enrollment in the Graduate Research Internship Program (GRIP). Prerequisite: Graduate standing and consent of instructor and the dean of the Cockrell School of Engineering.

MFG 197S. Topics in Technical Communication: Graduate Seminar.

The master's degree program in manufacturing systems engineering includes three semester hours in this course. Practice and application of technical communication skills in engineering. The equivalent of one lecture hour a week for one semester. May be repeated for credit when the topics vary. Prerequisite: Graduate standing and consent of the graduate adviser.

Topic 1: Graduate Seminar in Technical Communication I. Offered in the fall semester only.

Topic 2: Graduate Seminar in Technical Communication II.

Topic 3: Individual Instruction in Technical Communication.

Additional prerequisite: Credit or registration for Manufacturing Systems Engineering 197S (Topic 1) and 197S (Topic 2).

MFG 698. Thesis.

The equivalent of three lecture hours a week for two semesters. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in manufacturing systems engineering and consent of the graduate adviser; for 698B, Manufacturing Systems Engineering 698A.

MFG 398R. Master's Report.

Preparation of a report to fulfill the requirement for the master's degree under the report option. The equivalent of three lecture hours a week for one semester. Offered on the credit/no credit basis only. Prerequisite: Graduate standing in manufacturing systems engineering and consent of the graduate adviser.

Professional Courses