

Course Catalog - Spring 2010

Civil and Environmental Engineering

400 ***Welding and Joining Processes*** credit: 0 to 4 hours.

Physical principles of fusion welding; heat flow; thermal cycles; physical metallurgy and mechanical properties of welded joints; applications of welding to large structures; testing of welds; nondestructive testing; design, economics, and weld specifications; laboratory experiments in welding. Same as MSE 444. 3 undergraduate hours. 3 or 4 graduate hours. Prerequisite: CEE 300 or MSE 206.