MECH6333 - Materials Design and Manufacturing

MECH 6333 Materials Design and Manufacturing (3 semester credit hours) This course provides an in-depth analysis of design problems faced in the development and mass manufacture of advanced materials. This course will explore the interplay among mathematical modeling, CAD, mold creation and manufacturing processes for polymers, ceramics and metals. Tradeoffs among various thermomechanical properties, cost and aesthetics will be studied. Prerequisite: MECH 6303. (3-0) T