**MSEN5340 - Advanced Polymer Science and Engineering**

**MSEN 5340 (BMEN 6360 and CHEM 5340)** Advanced Polymer Science and Engineering (3 semester credit hours) Polymer structure-property relations, Glass transition temperature and mechanical properties of polymers, Thermoplastics, thermosets, and elastomers, morphology of polymers, rheology of polymers, biodegradable and biocompatible polymers for drug delivery and tissue engineering applications. (3-0) R