

## **SYLLABUS: MNGT 6320 – PRODUCTION/OPERATIONS MANAGEMENT**

**Catalog Description:** The application of concepts in process analysis, materials management, and quality management. Both quantitative and behavioral perspectives are presented.

**Prerequisite(s):** Graduate Standing

**Course Objectives:** Students will learn to implement the Theory of Constraints to analyze and solve problems.

Students will apply this theory to a practical problem in their own work setting.

**Current Textbook:** Textbook and/or selected readings and other materials are the responsibility of the instructor of record and will be specified on a semester-by-semester basis in the course syllabus.

**Evaluation Process:** Evaluation is the responsibility of the instructor of record and will be specified on a semester-by-semester basis in the course syllabus.

**Required Course Content:** Theory of constraints (TOC)  
Three steps to the thinking process (TP) that was used to develop the model  
The current reality tree (CRT)  
The evaporating cloud (EC)  
The future reality tree (FRT)  
The pre-requisite tree (PRT) or the transition tree (TT)  
Undesirable effects (UDE's) transformation  
Solving problems or dilemma in a win-win situation when possible

**Optional Course Content:** None

**Course Curriculum Coordinator:** Dr. Lloyd J. Taylor, III, P.E.