

## Master Course Syllabus

**Department:** Engineering Technology **Course Prefix/Number:** MET 4463

**Official Course Title:** Manufacturing Management

Master Syllabus Approved by Department on: 08 / 11 / 04  
month date year

- I. **Catalog Description:** Applications of modern manufacturing principles including: design for manufacturability, group technology, just-in-time, synchronous manufacturing, concurrent engineering, flexible manufacturing, and product management to effectively manage the manufacturing environment.
  
- II. **Prerequisites:** MATH 1073
  
- III. **Expanded Course Description:** The course begins with a brief history of Manufacturing (Operations) Management and presents the definitions, provides examples, and provides some detail into the following concepts; design for manufacturing, group technology, just-in-time, synchronous manufacturing, concurrent engineering, flexible manufacturing, and product management. An appreciation for the effective management of these concepts for successfully competing in the manufacturing environment will be presented.
  
- IV. **Knowledge Outcomes:** Students are expected to have knowledge of the importance of the following topics; those definitions and a basic knowledge of the terms and definition provided in the expanded course description including an understanding of the role of technology in the type of process (project, batch, mass, or continuous) used by a particular manufacturer.
  
- V. Unless otherwise stipulated in this master syllabus by the department, the following items are subject to faculty discretion as described in each faculty member's individual course outline/syllabus:
  - a) Course Requirements? (grading/evaluation procedures; class attendance policy; term papers, projects, field assignments; examinations; class participation, etc.)
  - b) Required Text(s)?
  - b) Bibliography?
  
- VI. **Academic Honesty:** Cheating, plagiarism (submitting another person's materials or ideas as one's own), or doing work for another person who will receive academic credit are all-impermissible. This includes the use of unauthorized books, notebooks, or other sources in order to secure or give help during an examination, the unauthorized copying of examinations, assignments, reports, or term papers, or the presentation of unacknowledged material as if it were the student's own work. Disciplinary action may be taken beyond the academic discipline administered by the faculty member who teaches the course in which the cheating took place.

VII. Students With Disabilities Policy: It is the policy of Tarleton State University to comply with the Americans with Disabilities Act (ADA) and other federal, state, and local laws relative to the provision of disability services. Students with disabilities attending Tarleton State University may contact the Office of Disability Services at (254) 968-9478 to request appropriate accommodation. Furthermore, formal accommodation requests cannot be made until the student has been officially admitted to Tarleton State University.

Department Head Signature/Date:

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Signature

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Date