

COURSE SYLLABUS
Southeast Missouri State University

Department of Industrial & Engineering Technology

Course No: IM-693

Title of Course: Applied Research

New: Fall 2000

- I. Catalog Description and Credit Hours of Course: Designed to develop an understanding of the process by which industrial supervisors respond to problems. Integrates research skills and professional practices and provides an opportunity to apply current research to an identified problem. (3 credit hours)
- II. Prerequisite (s): GR691, Completion of Core Requirements or Permission of Instructor
- III. Purpose or Objectives of the course: The student will be able to:
 - A. demonstrate knowledge of, and an ability to, apply recent industrial research to industrial problems.
 - B. become a user of industrial business research.
 - C. develop an increased sensitivity to ethical issues related to technology.
 - D. acquire an awareness of the most likely sources of research.
 - E. demonstrate skill in planning and completing an appropriate research project.
- IV. Expectations of Students:
 - A. read research articles and related sources.
 - B. perform a variety of roles related to group decisions and critically analyze specific research.
 - C. participate in class discussions of articles, proposals, and research.
 - D. develop and complete applied research plan following appropriate research methodology.
- V. Course Content or Outline (Weeks):
 - A. Introduction (1)
 - B. Research Methodology Lecture/Discussion/Reports (2 – 6)

- C. Applied Research Project Proposal/Progress - Students, in seminar format, present their research project proposals, and discuss progress toward completion. (7-10)
 - D. Presentations of Completed Applied Research Projects - Students, in seminar format, present the results of their research to other students and faculty. (11-16)
- VI. Textbook (s) and/or Other Required Materials or Equipment: Articles and research proposals as provided by presenters.
- VII. Basis for Student Evaluation: Students will be evaluated based upon the following:
- A. Presentation of Research Proposal (20%)
 - B. Class participation (20%)
 - C. Completed Applied Research Project (60%)
 - D. Grading scale:
 - 1. 90 - 100 = A
 - 2. 80 - 89 = B
 - 3. 70 - 79 = C
 - 4. Below 70% = F
- VIII. Disabilities Statement: If you have special needs addressed by the Americans With Disabilities Act and need course materials in an alternative format, notify your course instructor immediately. Reasonable efforts will be made to accommodate your special needs.