

## **SIST Graduate Program - Course Details and Schedule**

### **IndM 5230 Seminar in Industrial Management (3 Credits)**

**Schedule:** Online - Summer, Live - Fall and Spring

#### **Description:**

To provide individual research and experimentation opportunities for industrial management majors. May be repeated for a maximum of 3 semester hours. Prerequisite(s): Ten semester hours of graduate study in Industrial Management. An additional fee is associated with this course.

#### **Course Specific Objectives**

The student, upon completion of IndM 5230 will be able to:

- Apply Industrial Management concepts in a wide variety of situations.
- Apply the various integration aspects of Industrial Management concepts as they must be applied in the workplace.
- Seek out and solve Industrial Management problems through the application or planning and problem solving processes and methods as they impact in the workplace.
- Communicate an understanding of Industrial Management ideas, processes, methods, tools, and models.
- Demonstrate the maturation expected of Masters Degree graduates.

#### **Topical Content Outline**

- Managerial tools and techniques in managing process and project
- Operation management in major functions; accounting/finance, production, marketing, human resources and training, information technology, and management.
- Project risk and breakeven analysis
- Ethical codes and conducts for managers
- Guideline in publishing articles
- Strategic plan, quality management, and process control

#### **Course Textbook**

This course has no required textbooks. Students will learn from the Daily/Weekly/Monthly Business Periodicals and Trade, Industry and Government Publications, Web/Internet, Current technology/business/societal futurist authors and others related to the course contents. Here are some suggested journals:

- A. Industrial Management course textbooks
- B. Manufacturing Engineer Journal
- C. Industrial Technology Journal
- D. Industrial Engineering Journal

- E. Human Factors Society Journal
- F. Harvard Business Review
- G. Operations Research Society Journal (ORSA)
- H. The Institute of Material Handling
- I. Technology Review
- J. The Technology Journal
- K. Quality Control Journal
- L. Others . . . . .

**Course Instructor:** Dr. Suhansa (Sue) Rodchua , email: [rodchua@ucmo.edu](mailto:rodchua@ucmo.edu)