INDUSTRIAL AND MANAGEMENT SYSTEMS ENGINEERING (IMSE)

IMSE 871 Tool and Die Design
Crosslisted with: IMSE 471
Description: General consideration in tool designing, design of tool and workholding devices, forming machines and presswork tools; application of computer graphics and finite element techniques, and prediction of tool paths in CNC machines.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC

IMSE 914 Physiological Aspects of Ergonomics
Prerequisites: IMSE 816 or permission
Description: Lecture and laboratory study of physiological factors affecting human performance during work. Includes evaluation and testing of physical work capacity, applied work physiology, and factors affecting work performance in stress producing environments.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC

IMSE 915 Biomechanics
Prerequisites: IMSE 816
Description: Introduction and historical developments, theoretical fundamentals of the mechanics of the body. The link system of the body and kinematic aspects of extremity joints. of human motion.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC