



Manufacturing Engineering and Management

A. Orientation

COE 5000 - DLSU Orientation

B. Basic Subjects

COE 5200 – Methods of Research

C. Advanced Mathematics (Required 6 units)

COE 5100 – Statistical Design

COE 5320 – Numerical Methods

COE 5330 – Advanced Mathematical Methods

D. Foundation Subjects (Required 12 units for MEng)

E. Major Subjects (Required 15 units for MS)

Robotics and AI

MFE 6100 - BASIC ROBOTICS (with lab)

MFE 6110 - ADVANCED ROBOTICS (with lab)

MFE 6120 - INTELLIGENT SYSTEM (with lab)

MFE 6130 - COMPUTER VISION (with lab)

Computer Aided Design/Manufacturing

MFE 6300 ? COMPUTER-AIDED DESIGN (with computer lab)

MFE 6310 ? CONCURRENT ENGINEERING (with lab)

MFE 6320 ? FINITE ELEMENT ANALYSIS (with lab)

MFE 6330 - COMPUTER NUMERICALLY CONTROL (CNC) TECHNOLOGY(with lab)

Manufacturing Control Systems

MFE 6500 ? DIGITAL TECHNOLOGY AND MACHINE CONTROL FOR AUTOMATED MANUFACTURING SYSTEMS (with lab)

MFE 6510 - CONVENTIONAL CONTROL SYSTEM (with lab)

MFE 6520 ? PROGRAMMABLE LOGIC CONTROL (with lab)

Materials Engineering

MFE 6700 - MATERIALS PROCESSING

MFE 6710 - METAL CASTING

MFE 6720 - MANUFACTURING MATERIALS

MFE 6730 - POLYMER SCIENCE

Product Design and Management

MFE 6900 - PRODUCT DESIGN

MFE 6910 ? MANUFACTURING PRODUCTIVE CONTROL

MFE 6920 ? QUALITY AND RELIABILITY

MFE 6930 - INDUSTRIAL DESIGN (with lab)

MFE 6940 - OPERATION RESEARCH IN MANUFACTURE



De La Salle University

Integrated Information Systems

MFE 7100 - SOFTWARE ENGINEERING AND MGT (with lab)
MFE 7110 ? COMPUTER INTEGRATED MANUFACTURING SYSTEMS (CIMS) (with lab)
MFE 7120 ? FLEXIBLE MANUFACTURING SYSTEMS (FMS) (with lab)
MFE 7120 ? INFORMATION MODELING (with lab)