INSTITUTIONAL ENGINEERING

INTRODUCTION

A full set of Industrial Engineering examinations consists of the following, three-hour examination papers and an engineering report. Candidates will be assigned examinations based on an assessment of their academic background. Examinations from discipline syllabi other than those specific to the candidates’ discipline may be assigned at the discretion of PEO's Academic Requirement Committee.

BASIC STUDIES EXAMINATIONS

- 04-BS-1 Mathematics
- 04-BS-2 Probability and Statistics
- 04-BS-3 Statics and Dynamics
- 04-BS-4 Electric Circuits and Power
- 04-BS-5 Advanced Mathematics
- 04-BS-6 Mechanics of Materials
- 04-BS-7 Mechanics of Fluids
- 04-BS-10 Thermodynamics
- 04-BS-11 Properties of Materials
- 04-BS-15 Engineering Graphics and Design Process

PROFESSIONAL EXAMS – SPECIFIC TO INDUSTRIAL ENGINEERING

GROUP A
- 17-Ind-A1 Operations Research
- 17-Ind-A2 Analysis and Design of Work
- 17-Ind-A3 Facilities Planning
- 17-Ind-A4 Production Management
- 17-Ind-A5 Quality Planning, Control, and Assurance
- 17-Ind-A6 Systems Simulation

GROUP B
- 17-Ind-B1 Applied Probability and Statistics
- 17-Ind-B2 Manufacturing Processes
- 17-Ind-B3 Computer Aided Design and Computer-Assisted Manufacturing
- 17-Ind-B4 Design of Information Systems
- 17-Ind-B5 Ergonomics
- 17-Ind-B6 Workplace Design
- 17-Ind-B7 Financial and Managerial Accounting
- 17-Ind-B8 Computer Integrated Manufacturing (CIM)
- 17-Ind-B9 Logistics: Transportation Aspects
- 17-Ind-B10 Workplace Health and Safety

COMPLEMENTARY STUDIES

- 11-CS-1 Engineering Economics
- 11-CS-2 Engineering in Society – Health & Safety
- 11-CS-3 Sustainability, Engineering and the Environment
- 11-CS-4 Engineering Management

3.2 Engineering Report