

TOTAL EXAMINATION PROGRAM
PEO Syllabus of Examinations, 2004 Edition

ENGINEERING PHYSICS

INTRODUCTION

A full set of Engineering Physics 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-8	Digital Logic Circuits
04-BS-9	Basic Electromagnetics
04-BS-10	Thermodynamics
04-BS-11	Properties of Materials
04-BS-12	Organic Chemistry
04-BS-15	Engineering Graphics and Design Process

PROFESSIONAL EXAMS – SPECIFIC TO ENGINEERING PHYSICS

GROUP A

98-Phys-A1	Classical Mechanics
98-Phys-A2	Statistical Physics
98-Phys-A3	Electromagnetics
98-Phys-A4	Quantum Mechanics
98-Phys-A5	Semiconductor Devices and Circuits
98-Phys-A6	Solid State Physics
98-Phys-A7	Optics

GROUP B

98-Phys-B1	Radiation Physics
98-Phys-B2	Electro-Optical Engineering
98-Phys-B3	Digital Systems and Computers
98-Phys-B4	Communications
98-Phys-B5	Control
98-Phys-B6	Applied Thermodynamics and Heat Transfer
98-Phys-B7	Structure of Materials

COMPLEMENTARY STUDIES

98-CS-1	Engineering Economics
98-CS-2	Engineering in Society - Health, Safety, and the Environment
98-CS-3	Management Concepts for Engineers

3.2	Engineering Report
-----	--------------------