

TOTAL EXAMINATION PROGRAM
PEO Syllabus of Examinations, 2004 Edition

ENVIRONMENTAL ENGINEERING

INTRODUCTION

A full set of Environmental 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-12	Organic Chemistry
04-BS-13	Biology
04-BS-14	Geology
04-BS-15	Engineering Graphics and Design Process

PROFESSIONAL EXAMS – SPECIFIC TO ENVIRONMENTAL ENGINEERING

GROUP A

04-Env-A1	Principles of Environmental Engineering
04-Env-A2	Hydrology and Municipal Hydraulics Engineering
04-Env-A3	Geotechnical and Hydrogeological Engineering
04-Env-A4	Water and Wastewater Engineering
04-Env-A5	Air Quality and Pollution Control Engineering
04-Env-A6	Solid Waste Engineering and Management

GROUP B

04-Env-B1	Environmental Assessment and Management Systems
04-Env-B2	Water Resources
04-Env-B3	Contaminant Transport
04-Env-B4	Site Assessment and Remediation
04-Env-B5	Industrial & Hazardous Waste Management
04-Env-B6	Agricultural Waste Management
04-Env-B7	Environmental Sampling and Analysis
04-Env-B8	Instrumentation and Process Control
04-Env-B9	Environmental Chemistry and Microbiology

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