

TOTAL EXAMINATION PROGRAM
PEO Syllabus of Examinations, 2004 Edition

NAVAL ARCHITECTURAL ENGINEERING

INTRODUCTION

A full set of Naval Architectural 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-5	Advanced Mathematics
04-BS-6	Mechanics of Materials
04-BS-7	Mechanics of Fluids
04-BS-9	Basic Electromagnetics
04-BS-10	Thermodynamics
04-BS-11	Properties of Materials
04-BS-12	Organic Chemistry
04-BS-13	Biology
04-BS-15	Engineering Graphics and Design Process

PROFESSIONAL EXAMS – SPECIFIC TO NAVAL ARCHITECTURAL ENGINEERING

GROUP A

98-Nav-A1	Fundamentals of Naval Architecture
98-Nav-A2	Hydrodynamics of Ships (I): Resistance and Propulsion
98-Nav-A3	Hydrodynamics of Ships (II): Ship Motion
98-Nav-A4	Ship Structure and Strength of Ships
98-Nav-A5	Ship Design
98-Nav-A6	Advanced Strength of Materials

GROUP B

98-Nav-B1	Applied Thermodynamics and Heat Transfer
98-Nav-B2	Marine Engineering
98-Nav-B3	Small Commercial Ships
98-Nav-B4	Advanced Structural Analysis
98-Nav-B5	Ship Production and Shipyard Management
98-Nav-B6	Design and Manufacture of Machine Elements
98-Nav-B7	Environmental Control in Ships

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