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| **Naval Architecture and Marine Engineering**  Bangladesh University of Engineering and Technology | | |
| **CORE: NAME** | | |
| 01 | NAME | Mechanics of Structure (with Sessional) |
| 02 | NAME | Fluid Mechanics (with Sessional) |
| 03 | NAME | Hydrostatics and Stability |
| 04 | NAME | Marine Hydrodynamics (with Sessional) |
| 05 | NAME | Heat Transfer |
| 06 | NAME | Shipbuilding Materials (with Sessional) |
| 07 | NAME | Ship Structure (with Sessional) |
| 08 | NAME | Theoretical Ship Design |
| 09 | NAME | Resistance and Propulsion of Ships (with Sessional) |
| 10 | NAME | Marine Engines and Fuels |
| 11 | NAME | Motion and Control |
| 12 | NAME | Theory of Machines |
| 13 | NAME | Marine Engineering (with Sessional) |
| 14 | NAME | Navigation and Maritime Regulations |
| 15 | NAME | Maritime System and Management |
| 16 | NAME | Marine Maintenance and Repair |
| 17 | NAME | Ship Construction |
| 18 | NAME | Welding Technology |
| 19 | NAME | Numerical Computations Sessional |
| 20 | NAME | Ship Design and Drawing 1 Sessional |
| 21 | NAME | Ship Design and Drawing 2 Sessional |
| 22 | NAME | Ship Design and Drawing 3 Sessional |
| 23 | NAME | Ship Design and Drawing 4 Sessional |
| 24 | NAME | Computer Aided Design (CAD) Sessional |
| 25 | NAME | Ship Design Project and Presentation 1 Sessional |
| 26 | NAME | Ship Design Project and Presentation 2 Sessional |
| 27 | NAME | Computer Programming in Ship Design 1 Sessional |
| 28 | NAME | Computer Programming in Ship Design 2 Sessional |
| 29 | NAME | Project and Thesis 1 |
| 30 | NAME | Project and Thesis 2 |
| **CORE: SCINECE AND TECHNOLOGY** | | |
| 01 | MATH | Differential Calculus and Integral Calculus |
| 02 | MATH | Coordinate Geometry and Ordinary Differential Equation |
| 03 | MATH | Vector Analysis and Differential Equations (Special Types) |
| 04 | MATH | Statistics, Partial Differential Equation and Matrices |
| 05 | MATH | Fourier Analysis, Harmonic Function, Complex Variable, Laplace Transforms |
| 06 | PHY | Structure of Matter, Electricity and Magnetism, Modern Physics (with Sessional) |
| 07 | PHY | Wave and Oscillations, Geometrical Optics, Wave Mechanics |
| 08 | CHE | Chemistry (with Sessional) |
| 09 | EEE | Electrical Engineering Principles |
| 10 | EEE | Electrical and Electronic Technology for Marine Engineers (with Sessional) |
| 11 | ME | Basic Thermal Engineering (with Sessional) |
| 12 | ME | Mechanical Engineering Drawing 1 Sessional |
| 13 | IPE | Engineering Management |
| 14 | SHOP | Machine Shop Sessional |
| 15 | SHOP | Foundry and Welding Shop Sessional |
| **ELECTIVES 1 (Any One Course)** | | |
| 01 | NAME | Finite Element Method for Ship Structure |
| 02 | NAME | Country Boats |
| 03 | NAME | Port and Harbor Engineering |
| 04 | NAME | Sea Waves and Spectral Analysis |
| 05 | NAME | Marine Pollution |
| **ELECTIVES 2 (Any One Course)** | | |
| 01 | NAME | Computational Fluid Dynamics |
| 02 | NAME | Design of Special Ships |
| 03 | NAME | Economic and Social Aspects of Marine Transportation System |
| 04 | NAME | Marine Acoustics |
| **ELECTIVES 3 (Any Two Courses)** | | |
| 01 | NAME | Advanced Ship Structure |
| 02 | NAME | Ship Vibration |
| 03 | NAME | Theory of Hydrofoils |
| 04 | NAME | Computer Aided Ship Production |
| 05 | NAME | Fishing Vessel Technology |
| 06 | NAME | Computer Aided Ocean Structure Analysis |
| 07 | NAME | Dredger and Dredging Technology |
| 08 | NAME | Optimization Methods in Ship Design |
| **ELECTIVES 4 (Any Two Courses)** | | |
| 01 | NAME | Power and Propulsion System |
| 02 | NAME | Ship Performance |
| 03 | NAME | Optimum Structural Design |
| 04 | NAME | Hydro-elasticity |
| 05 | NAME | Control Engineering |
| 06 | NAME | Marine Production and Planning |
| 07 | NAME | Shipyard Management |
| 08 | NAME | Design of Inland Waterways Transportation System |