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|  **National University «Odessa Maritime Academy»** |
|  **Study Programme: Navigation and Seagoing Ship`s Handling**  |

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| **No.** | **Subject** | **ECTS** | **No. hour** | **Examination** **form** | **Year/** **Sem.** | **Pass/****Grade** |
| **C** | **S,L,P** |
|  | History and Culture of Ukraine | 4 | 32 | 24 | E | I/1 |  |
|  | Professional Ukrainian | 4 | 24 | 32 | E | I/1 |  |
|  | Society and State | 1 | 24 | 16 | E | I/1 |  |
|  | Economics Theory | 3 | 24 | 16 | PV | I/1 |  |
|  | Theory and Principal Structural Members of a Ship | 2 | 24 | 16 | PV | I/1 |  |
|  | English Language | 6 |  | 138 | PV/E | I/1,2 |  |
|  | Higher Mathematics | 10 | 74 | 66 | E/E | I/1,2 |  |
|  | Physics | 8 | 66 | 54 | E/E | I/1,2 |  |
|  | Descriptive Geometry and Engineering Graphics | 3 | 22 | 22 | PV | I/2 |  |
|  | Safety and Security at Sea | 5 | 46 | 42 | PV | I/2 |  |
|  | Ocean Routes of the World | 2 | 18 | 16 | PV | I/2 |  |
|  | Information Technologies | 5 | 34 | 40 | E | I/2 |  |
|  | Seamanship Practice | 2 | 16 | 12 | PV | I/2 |  |
|  | Educational Training | 2 |  |  | PV | I/2 |  |
|  |  |  |  |  |  |  |  |
|  | Theoretical Mechanics | 4 | 30 | 28 | E | II/3 |  |
|  | Basics of Electric Devices | 3 | 20 | 20 | PV | II/3 |  |
|  | Manoeuvre and Handle a Ship | 2 | 22 | 10 | E | II/3 |  |
|  | Preventing Collision al Sea and use of Radar and ARPA | 3 | 20 | 20 | PV | II/3 |  |
|  | Navigation and Pilotage | 6 | 50 | 50 | E/E | II/3,4 |  |
|  | Professional English | 6 |  | 90 | PV/E | II/3,4 |  |
|  | Philosophy | 4 | 30 | 20 | E | II/4 |  |
|  | Organization of collective action and leadership | 3 | 20 | 20 | PV | II/4 |  |
|  | Technology and Resistance of Materials | 3 | 20 | 20 | PV | II/4 |  |
|  | Basics of Electronics | 2 | 18 | 10 | PV | II/4 |  |
|  | Mathematics for Navigation | 3 | 20 | 20 | E | II/4 |  |
|  |  |  |  |  |  |  |  |
|  | Maritime Resource Management | 2 | 24 | 10 | PV | III/5 |  |
|  | Theory and Principal Structural Members of a Ship | 4 | 36 | 30 | E | III/5 |  |
|  | Celestial Navigation | 3 | 22 | 22 | E | III/5 |  |
|  | Electric Navigational Devices | 4 | 34 | 22 | E | III/5 |  |
|  | Meteorology | 5 | 44 | 33 | E | III/5 |  |
|  | Professional English | 6 |  | 94 | PV/E | III/5,6 |  |
|  | Navigation and Pilotage | 3 | 20 | 20 | E | III/6 |  |
|  | Radar and Radio-Navigational Systems | 4 | 30 | 30 | E | III/6 |  |
|  | Technology of cargo Transportation | 3 | 20 | 20 | E | III/6 |  |
|  | Ship's Power Plants and Electrical Equipment | 3 | 20 | 20 | PV | III/6 |  |
|  | Watchkeeping Practice | 2 | 20 | 10 | PV | III/6 |  |
|  |  |  |  |  |  |  |  |
|  | Maritime Law | 4 | 32 | 20 | E | IV/7 |  |
|  | Respond to Emergencies, Search and Rescue at Sea | 3 | 22 | 22 | PV | IV/7 |  |
|  | Bridge Resource Management | 2 | 16 | 16 | PV | IV/7 |  |
|  | Ship's Commercial Business | 3 | 22 | 22 | E | IV/7 |  |
|  | Operation of Certain Type Ships\*\* | 4 | 22 | 22 | E | IV/7 |  |
|  | Preventing Collision al Sea and use of Radar and ARPA\*\* | 3 | 12 | 34 | E | IV/7 |  |
|  | Professional English | 4 |  | 64 | PV/E | IV/7,8 |  |
|  | Labour Safety and Civil Protection | 2 | 22 | 10 | PV | IV/8 |  |
|  | lntegrated Bridge Systems | 3 | 22 | 22 | E | IV/8 |  |
|  | Manoeuvre and Handle a Ship | 4 | 30 | 24 | E | IV/8 |  |
|  | Seaworthiness of a Ship | 3 | 22 | 22 | PV | IV/8 |  |
|  | Electronic Chart Display and Information System (ECDIS)\*\* | 3 | 12 | 34 | E | IV/8 |  |
|  | Global Maritime Distress and Safety System GMDSS\*\* | 4 | 12 | 44 | PV | IV/8 |  |
|  |  |  |  |  |  |  |  |
|  | Shipboard Training | 60 |  |  |  |  |  |