|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Course Title | **Simulation BTM – BRM – BMS** | | | | | | |
| Course Code | MANS-433 | | | | | | |
| Course Type | Required | | | | | | |
| Level | 1st Cycle | | | | | | |
| Year / Semester | 4th Year, Spring Semester | | | | | | |
| Teacher’s Name |  | | | | | | |
| ECTS | 6 | Theory | | Laboratory | Simulation | | Tutorial |
| 1 | | --- | 2 | | ---- |
| Course Purpose and Objectives | The main objectives of the course are to:   * Simulate real life conditions in order to familiarize the students with adverse bridge situations * Introduce the basic Bridge Team Management (BTM) and Bridge Management System (BMS) principles * Demonstrate the basic Bridge Recourse Management (BRM) principles * Apply all the navigational issues presented so far in real life scenarios | | | | | | |
| Learning Outcomes | After completion of the course students are expected to be able to:   * Implement the basic BTM and BMS principles * Apply the basic BRM principles * Respond to unpredicted bridge situations according to the BTM – BRM – BMS principles | | | | | | |
| Prerequisites | None | | Required | | | None | |
| Course Content | * Differences and similarities among the bridge team * Cultural awareness * Briefing – debriefing procedures * Interaction between pilot and the bridge team, communication techniques * Exchange of information between all persons involved * Challenge of the person in conn. Response of the team members * Confidence and authority * Importance of workload and stress * Allocation of duties * Basic watch keeping principles as referred to in STCW 2010 reg VIII/2 * Bridge electronic equipment * Electronic equipment information evaluation * Radar and position fixing * ECDIS and watch keeping * Charts and publications information evaluation * Wind and current inputs * Engine controls on bridge * Complicated simulation scenarios in which all major factors are included (COLREGS, wind, current, narrows, VTSS, communications, engine failures, mechanical failures, etc.) * Assessment of the scenario results * Gathering and development of information necessary for the execution of the voyage | | | | | | |
| Teaching Methodology | Bridge simulator and theory at BSM Maritime Training Centre | | | | | | |
| Bibliography | **Required Textbooks/Reading:**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Authors** | **Title** | **Publisher** | **Year** | **ISBN** | | Swift, Capt A.J | Bridge Team Management – A practical guide | The Nautical Institute | 1993 | 1-870077-14-8 |   **Recommended Textbooks/Reading:**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Authors** | **Title** | **Publisher** | **Year** | **ISBN** | | The Nautical Institute | Bridge Team Management | The Nautical Institute | 2004 | 978-1-870077-66 8 | | Adams, M., R | Shipboard bridge resource management | Nor’easter Press | 2006 | 978-0-9779200-0-6 | | | | | | | |
| Assessment | Examination on Bridge simulator and provision of Certificate by approved and certified training center – BSM Maritime Training Centre | | | | | | |
| Language | English | | | | | | |