

Content

| Course Code | Course Name | Semester | Theory | Practice | Lab | Credit | ECTS |
|-------------|-------------------|----------|--------|----------|-----|--------|------|
| GEM216 | Safety at Sea III | 3 | 1 | 0 | 1 | 1,5 | 2 |

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| Prerequisites | |
| Admission Requirements | |

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| Language of Instruction | Turkish |
| Course Type | Compulsory |
| Course Level | Associate Degree |
| Objective | A student successfully completing this unit will, in the event of a fire on board ship, be able to to take command, organize the personnel effectively and control the fire-fighting operations, using those techniques in which has been trained. He will also have acquired knowledge of fire prevention and an ability to inspect and maintain the fire-extinguishing systems and equipment. A student successfully completing this unit will be able to react in a correct manner in the event of outbreak of fire, to take appropriate measures for the safety of personnel and of the ship and to use the fire appliances correctly. |
| Content | Fire prevention and advanced fire fighting |
| References | Basic and Advanced Fire Fighting course handouts |

Theory Topics

| Week | Weekly Contents |
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| 1 | Theory of fire and firefighting methods |
| 2 | Inspecting and servicing fire detection systems |
| 3 | Use firefighting organization, tactics and command procedures at sea and in port |
| 4 | Use water for fire extinguishing and under the effects on stability |
| 5 | Communication and coordination during firefighting operations |
| 6 | Utilize fuel, electrical and ventilation system controls to limit spread of fire |
| 7 | Understand firefighting process hazards |
| 8 | Midterm exam |
| 9 | Understand firefighting involving dangerous goods |
| 10 | Fire precautions and hazards for storing and handling materials |
| 11 | Manage and control of injured persons involving fire-related injuries |
| 12 | Preparation of contingency plans and composition and allocation of fire parties |
| 13 | Practical session including live fire fighting scenarios and Damage Control. |
| 14 | Final exam |