Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
DUI215	Cargo Handling and Ship Stability I	3	3	0	0	3	4

Prerequisites	
Admission Requirements	

Language of Instruction	Turkish
Course Type	Compulsory
Course Level	Associate Degree
Objective	1. To know ship stability principles for deck officers according STCW-95 2. To know cargo handling equipment for deck officers according STCW-95 3. To know cargo operation and stowage for deck officers according STCW-95
Content	Ship geometry, Form coefficients, Stability for floating objects, Law of Floating, Law of Stability, Initial Stability (GM), Statical Stability Curve, IMO/SOLAS stability criteria, Cross curves, Statical moment, Vertical changing of the weights which are already on board, Horizontally changing of the weights which are already on board, To load-discharge weights on the ship, Transverse statical Stability Hell-List, Longitudinal Stability-Trim, Hydrostatic curves, Type of cargo vessels, Holds of dry cargo vessels, inspections and preparing holds securing cargos, Cargo handling equipment: booms, winches, hatch cowers, Preparing and watch keeping For load/unload, Grain bulk cargoes, Container, Securing cargoes.
References	1) Yük-İstif (Teoman AKIN) 2) IBC CODE 3) ISGOTT

Theory Topics

Week	Weekly Contents
1	Ship geometry, Form coefficients
2	Stability for floating objects, Law of Floating, Law of Stability
3	Law of Stability, Initial Stability (GM)
4	Initial Stability (GM)
5	Vertical changing of the weights which are already on board, Horizontally changing of the weights which are already on board, To load-discharge weights on the ship
6	Vertical changing of the weights which are already on board, Horizontally changing of the weights which are already on board, To load-discharge weights on the ship
7	Transverse statical Stability Hell-List
8	Transverse statical Stability Hell-List
9	Longitudinal Stability-Trim
10	Longitudinal Stability-Trim
11	Longitudinal Stability-Trim
12	Hydrostatic curves
13	Type of cargo vessels, Holds of dry cargo vessels, inspections and preparing holds securing cargos, Cargo handling equipment: booms, winches, hatch cowers
14	Preparing and watch keeping For load/unload, Grain bulk cargoes, Container, Securing cargoes.