Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
GÜV357	Electronic Navigation I	3	2	0	1	2.5	3

Prerequisites	
Admission Requirements	

Language of Instruction	Turkish
Course Type	Compulsory
Course Level	Associate Degree
Objective	To teach the students to be able to acknowledge and to use the electronic navigation devices on board
Content	1.Usage of electronic systems for Location and navigation 2.The basic principles of Hyperbolic systems 3.Loran-C Systems 4.GPS and DGPS 5.satellite navigation systems
References	GEMİ ELEKTRONİĞİ(NUSRET BELİRDİ),INTERNET(IMO and related sites)

Theory Topics

Week	Weekly Contents
1	Locating
2	Electromagnetic waves
3	Hyperbolic navigation systems
4	Loran-C System
5	The working principles and usage of GPS and DGPS
6	Radar
7	Radar
8	ARPA Radar
9	Radar observation and plotting
10	Manual plotting
11	Manual plotting
12	Automatic plotting
13	Colreg
14	ARPA radar and safe navigation