

Discipline	TECHNICAL SAFETY and CONTROL of ENVIRONMENTAL EFFECTS code: 41	
	2nd Semester Third Year	
Specialty	NAVAL ARCHITECTURE AND MARINE TECHNOLOGY	
ECTS credits: 4	Form of assessment: Continuous assessment	
Lecturer	Assoc. prof. Galina Ilieva Room 406M Phone: +359 52 383 524 E-mail: galina.ilieva@tu-varna.bg	
Department	Department of Naval Architecture, Marine Engineering	
Faculty	Faculty of Shipbuilding	
Learning objectives:		
/ANNOTATION/		
The aim of the course is to introduce students to the regulations and requirements for safety in shipbuilding and ship repair industry, knowledge to MARPOL requirements, ways to reduce harmful emissions, approaches to reduce marine litter from shipbuilding and maritime industry, etc.		
Special attention is paid to EEDI, EEOI, EEXI, CII and other important indicators and indexes.		
CONTENTS:		
Standards and principles for technical safety		
MARPOL convention and its requirements		
Ballast, grey, bilge, black, oily waters treatment		
Safety management systems		
Personal safety devices		
Approaches to reduce harmful emissions from marine machinery and reduce marine litter from ships		
Approaches to reduce harmful effects of shipbuilding and ship repair industry		
Approaches to achieve energy efficiency in shipbuilding, ship repair and ship's exploitation		
Total: 30 lectures and 15 seminar exercises ECTS credits: 4		