


Discipline	PRACTICAL TRAINING-2 code 36 3 semester – /winter /	
Specialty	NAVAL ARCHITECTURE and MARINE TECHNOLOGY	
ECTS credits: 3	Form of assessment: Pass/Failed	
Lecturer	Assist. prof. Yordan Denev Room: 415M Phone: 052/383283 E-mail: dep.tmmm@tu-varna.bg	
Department	NAVAL ARCHITECTURE and MARINE ENGINEERING	
Faculty	SHIPBUILDING	
Learning objectives:		
The main aim is students to acquire knowledge and skills for welding and further technical repair and maintenance of ship equipment. Practical training covers locksmith activities, work with universal metalworking machines and tools.		
CONTENTS:		
	Training Area	Practical training
	Introduction to safety and labor protection	3
	Steels-classification and specifics	2
	Welding and cutting methods	4
	Machines and tools in welding operations	5
	Manual arc welding. Types of electrodes, power sources and instruments	5
	Machines and equipment for semi-automatic gas metal arc welding	8
	Machines and equipment for semi-automatic tungsten metal arc welding	8
	Welding of seams (various types, positions, approaches)	35
	Welding of steel pipes and flanges	12
	Types of defects, defectoscopy. Control of welding seams	8
	TOTAL: 90 h	90