

University of Montenegro		
Faculty of Maritime Studies Kotor		
Study program: Marine Electrical Engineering		
Type and level of studies: Undergraduate studies		
Course unit: Fundamentals of marine electrical engineering and electronics I		
Teacher in charge: Tatjana Dlabac, Associate Professor		
Language of instruction: English		
ECTS: 5		
Course load: 2L+1E+1P		
Semester: Winter		
Course unit objective To familiarize students with basic laws and principles in electrical engineering and electronics necessary for more further study levels, considering STCW'10 convention (Table A-III/6) and IMO model course 7.08 (paragraphs 1.1, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9, Appendix A6).		
Learning outcomes of Course unit Upon successful completion of this subject the student will be able to: <ul style="list-style-type: none"> - Define and apply all the laws on direct, electrostatic and magnetic circuits; - Define and apply principles of operation of p-n connections and diodes, as well as electronic diodes circuits - Analyze and calculate complex electrostatic and electrical circuits of direct current and electronic diodes circuits; - Plan and perform measurements on electrical circuits of direct current and diodes circuits; - Demonstrate familiarity with relevant precautions for working with direct current. 		
Teaching methods: Lectures, exercises, laboratory exercises, homework assignments, tests, office hours, and individual work.		
Examination methods (maximum 100 points)		
METHODS OF KNOWLEDGE ASSESSMENT AND MARKING: Test I, up to 15 points; Test II, up to 20 points; Laboratory exercises up to 22 points; Homework and tests, up to 8 points; Final exam, up to 35 points; Positive mark requires not less than 50 points cumulatively.		
Grading system		
Grade	No. of points	Description
A	90-100	Excellent
B	80-89	Exceptionally good
C	70-79	Very good
D	60-69	Good
E	50-59	Passing
F	less than 50	Failing