			SHOP FL	OOR PR.	ACTIC	CES – I	[		دې ۶ <del>د د د د د د</del>		
Teaching Schedule Per Week			Progressiv	142.6	Examination Schedule (Marks)						
and and an and an and an and an and an and an and and		Assessme		Theory			Practical Ex.		Total		
Lectures	Practical	Credits								150	
2	2	4	25	25 / 3 H							
	<u> </u>			Theory	Test	Total	TW	PR	Gr Total	1	
Pre-requisite		Source	Semester	75	25	100	25	-	125	-	
2004		SHB	1		1						

Rationale - As a supervisor in shipbuilding Engineering Industry, student should know the working principle of various machines used by the Industries, their work range, tools used for different operations and their maintenance. The commonly used machines in Industry are dealt here. Enough practical exposure is also given to develop minimum skill to perform various operations. The student should be able to select the proper machine and proper tool for a particular operation. The student should be able to perform a given operation of a particular machine and take care of maintenance and safety of men, machine and tools.

COURSE CONTENTS	Hrs	Mk
1 COURSE CONTENTS	8	
1. LATHE	1	
1. LATHE Introduction. Specification of centre lathe. Methods of taper-turning- their advantages and limitations. Thread cutting on lathe. Various accessories used on lathe. Tools used for common operations. Cutting fluid. General safety precautions and maintenance of machine.		

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SYLLABI OF COURSES FOR DIPLOMA PROGRAMME IN SHIPBUILDING ENGINEERING, LEVEL IV&VI 7

2. GRINDING MACHINES	3	8
Introduction. Types of grinding machine. Shapes and sizes of grinding wheel. Precautions while mounting grinding wheel. General safety precautions and maintenance.		
3. DRILLING MACHINES	6	20
Introduction. Types of drilling machines. Work holding devices Tool holding devices Tool holding devices Tool holding machine. Tools used on drilling machine. General safet precautions and maintenance.	evices. ty	
4 BORING MACHINE	6	20
Introduction. Types of boring machines. Boring machine mechanism. Parts of horizontal boring machine, work holding devices for horizontal boring, horiz boring machine operations, boring tool mountings for horizontal boring, boring tools general safety precaution and maintenance.	ontal ng	
5 BENDING MACHINE	6	20
Introduction. Types of bending machines-Plate bending, angle/frame bending an bending machines. Factors involved in bending, heating and bending applicat Three-dimensional bending for ship construction. General safety, safety preca and maintenance, plate rolling machines.	lion	
6. PAINTING	3	8
Introduction, methods of surface preparation, method of painting, equipment require for spray painting, general safety precaution and maintenance of equipment.	uired	
Total	32	100
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