Ministry of Education

Department of Technical and Vocational Education and Training (DTVET) Civil Department (GTI, Thayet)

Second Year Course

Sr.NO	Subject Name	Objectives	Learning Outcomes
1.	2G Structure	-understanding of the	After successful completion of
	(CE-21013) AND	behavior of structures such	this course, students will be
	(CE-22013)	as beams, columns, frames,	able:
		plates and shells, when	(1) To obtain the best
		subjected to applied loads or	understanding of basic
		other actions	concepts about stress and
		-To analyze a given structure	strain
		under specified loading and	(2) To evaluate the section
		possibly other disturbances	properties of various structural
		such as temperature	elements
		variation or movement of	(3) To identify the internal
		supports	forces and moments in beams
		-To achieve knowledge of	to develop shear force and
		structural theory in order to	bending moment diagrams
		relate the applied loads,	(4) To achieve in-depth
		reactive forces and	understanding about torsion in
		dimensions to actual values	structural members
		of bending moment in the	(5) To provide a
		beam	supportable document in
			teaching this subject
2.	Fluid Mechanics	To get a basic knowledge of	Know properties of fluid
	(CE-21016,22016)	fluids and the knowledge of	Know how to measure
		the applicability of physical	fluid pressure
		laws in hydraulic	➤ Know the concepts of
			fluid flow through pipes,
			orifices, mouthpieces
			and open channels

3.	Road (CE-21017)	To know about the elementary of soil Mechanics. To get knowledge about the	 Know the concepts of fluid flow over notches and weirs Know how to measure this flow Having successfully completed this course, the students will be able to demonstrate knowledge
		road survey, structure and cross section of the road. To study the various types of the roads.	and understanding of road.
	Bridges (CE- 22017)	To know the various types of bridges, substructure and superstructure of the bridges. To know the types of culverts and materials used in culverts. To get knowledge about the	Having successfully completed this course, the students will be able to demonstrate knowledge and understanding of bridge.
		selection of culverts.	
4.	Building Materials and Construction (CE-21022 & CE- 22022)	_To know materials used in construction _To know the name of parts of buildings _To know about ceilings, eaves, frames, stairs and fencings in details	_Realize about the various materials used in constructions _Understand about the application of construction
5.	Civil Engineering Drawing (CE-21012,CE- 22012)	-To understand the main components of building -To understand how to build single storey building -To know the details of beam, column, roof truss, floor, stair, footing of building	-Understand the main components of building -Understand how to build single storey building - Know the details of beam, column, roof truss, floor, stair, footing of building

		-To know the details of plan, cross section, elevation of single storey building - To understand the main components of culvert -To understand how to build	 -Know the details of plan, cross section, elevation of single storey building - Understand the main components of culvert - Understand how to build
		culvert - To know the details of plan, cross section, longitudinal section, longitudinal elevation of culvert	culvert- Know the details of plan, cross section, longitudinal section, longitudinal elevation of culvert
6.	Elementary Surveying (CE-21011)	သင်တန်းသားများကို မြေတိုင်းတာရေး လုပ်ငန်းများတွင် အသုံးပြုမည့် ကိရိယာ များကို ကျွမ်းကျင်စွာအသုံးပြု နိုင်စေရန်နှင့် တွက်ချက်မှုဆိုင်ရာ သီအိုရီများ ကို နားလည်တတ်ကျွမ်း၍ အသုံးချတတ်စေရန်	သင်တန်းသားများကို မြေတိုင်းတာရေး လုပ်ငန်းများတွင် အသုံးပြုမည့် ကိရိယာ များကို ကျွမ်းကျင်စွာအသုံးပြု နိုင်စေရန်နှင့် တွက်ချက်မှုဆိုင်ရာ သီအိုရီများ ကို နားလည်တတ်ကျွမ်း၍ အသုံးချတတ်စေရန်
	Elementary Surveying (CE-22011)	သင်တန်းသားများကို မြေတိုင်းတာရေး လုပ်ငန်းများတွင် အသုံးပြုမည့် ကိရိယာ များကို ကျွမ်းကျင်စွာအသုံးပြု နိုင်စေရန်နှင့် တွက်ချက်မှုဆိုင်ရာ သီအိုရီများ ကို နားလည်တတ်ကျွမ်း၍ အသုံးချတတ်စေရန်	မြေလုပ်ငန်းများတွင် မရှိမဖြစ် အရေးပါသော တည်နေရာပြမြေပုံ ထုတ်လုပ်ခြင်း၊ မြေအနိမ့်အမြင့်ပြ တိုင်းတာရေးလုပ်ငန်းများကို စက်ကိရိယာများဖြင့် တိုင်းတာ အသုံးပြုတတ်ခြင်းတို့ ရရှိပါမည်။
7.	Workshop (2G)	To familiar the tools which used in the work of carpentry and masonry	Learning outcomes are the expected competencies of a student after successful completion

To make the jobs of the course, and hence, regarded as the objectives of systematically the course. Each learning To know the about the outcome may have one assessment element or several various types of joints in woodworking and various assessment elements. types of bricklaying The students are supposed to get the following competencies to become a desirable technical teacher: 1. Realize the important of workshop practices. 2. Solve the difficulties found in carpentry and masonry work 3. become a skillful labour in the constructions