

DAY	SYLLABUS
DAY 1	INTRODUCTION TO BIM,GETTING STARTED TEKLA STRUCTURES,OVERVIEW OF STRUCTURES MODELLING-CREATE NEW MODELS,CREATE GRIDLINES AND CREATING VIEWS. MODIFY AND DELETE GRIDS,CREATE RADIAL GRIDS,CREATE MODEL VIEWS,SAVE VIEW&MODIFY VIEWS,CHANGETHE COLOR SETTINGS.
	LAB PRACTICE
	CREATE MODEL OBJECTS,COPY AND MOVE,ROTATE,MIRROR,FILTER OBJECT.CREATE STEEL PARTS,CREATE CONCRETE PARTS (CREATING AND POSITIONING PARTS) MODIFY PARTS,DETAILS TO PARTS,CREATE CAST UNITS.
	LAB PRACTICE
DAY 2	CREATE REINFORCEMENTS,MODIFY,CREATE PLANESAND POINTS,PERDEFINED PARAMETRIC PROFILES.MODELLING CONCRETE STRUCTURAL MEMBERS,EDITING STRUCTURAL MEMBERS AND CONNECTIONS
	LAB PRACTICE
	EX.1:FOUNDATION REINFORCEMENT,CREATING BASICCUSTOM COMPONENTS. EX:2 CREATING MODELS WITH REFERENCE TOEXTERNAL DRAWINGS. EX.3:R.C.C FRAMED STUCTURES WITH REINFORCEMENT DETAILS. DRAWING PRODUCTION-DRAWING SETTINGS,GA DRAWINGS,ASSEMBLY ANDPART DRAWINGS,EDITING DRAWINGS,GENERATING FABRICATION DRAWINGS.
	LAB PRACTICE
	EX:4 STEEL DETAILING - MODELING STEEL MEMBERS,USING SYSTEM COMPONENTS, CUTS IN STEEL MEMBERS,ADDING CONNECTIONS AND BOLD GROUPS. STEEL STRUCTURES - MODELS,PARTS TYPE,PARTS PROPERTIES,BOLD ASSEMBLY,CUTS AND FITTINGS,WELD PROPERTIES.EX:5 INDUSTRIAL TRUSS

DAY 3		MODEL WITH PART DETAILS,BOLT ASSEMBLY. EX 6:PEB STRUCTURE WITH PPART DETAILS,BOLT ASSEMBLY.
	3-4	LAB PRACTICE
	5-6	DRAWING AND REPORTS -REPORT TEMPLATES,REPORTS FOR RBARS,CREATE REBAR DRAWING LAYOUT,CREATE GA DRAWING,SINGLE PART DRAWING IMPORT AND EXPORT MODELS(3D Dwg/dxf,3D DGN,ETC..)
	7-8	LAB PRACTICE
DAY 4	1-2	ANALYSE AND DESIGN, EXPORT REBAR DETAILING, GENERATE STRUCTURAL DRAWINGS.FOUNDATION TYPES,LOAD APPLICATION, FOUNDATION DESIGN.STRUCTURAL DESIGNER INTRODUCTION ,TRANSFER MODEL TO TSD, IMPORTANT CAD LAYOUT,LOADING AND DESIGN CODES.
	3-4	LAB PRACTICE
	5-6	FGENERATE MODELS,PROPERTIES AND LOAD APPLICATION. ANALYSE AND DESIGN, EXPORT REBAR DETAILING, GENERATE STRUCTURAL DRAWINGS.FOUNDATION TYPES,LOAD APPLICATION, FOUNDATION DESIGN.
	7-8	LAB PRACTICE