

1. Course Name:					
Computer Application - STAAD Pro.					
2. Course Code:					
CIV42105					
3. Semester / Year:					
Second Semester – Forth Stage					
4. Description Preparation Date:					
9-12-2025					
5. Available Attendance Forms:					
6. Number of Credit Hours (Total) / Number of Units (Total)					
4					
7. Course administrator's name (mention all, if more than one name)					
M.M. Makarim Noori Ali					
8. Course Objectives					
Course Objectives	The main objective for learning STAAD Pro. is to develop skills for creating precise Analysis and Design for concrete and steel buildings, and models, enabling professionals to produce accurate documentation for various industries in architecture, engineering, and manufacturing, by mastering the software's interface drawing/editing tools, layering, and annotation. Ultimately, it's about gaining proficiency to translate complex ideas into visual, professional blueprints, often leading to certification and enhanced career opportunities as a draughtsman or designer				
9. Teaching and Learning Strategies					
Strategy	1-start with fundamentals like interface, units, and basic tools e, through guided tutorials, then practice daily by recreating simple from online resources to build muscle memory 2-Progress to analysis and design, then tackle complex projects like floor plans, constantly experimenting with features, asking questions on forums, and building a portfolio for real-world application.				
1. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4	Learn student about STAAD Pro. program	Introduction for the program and how starting making an analysis and design structures	Theoretical and Practical	Several way (exam, quiss home work
2	4	Learn student about STAAD Pro. program	Introduction for the program and how starting making an analysis and design structures	Theoretical and Practical	Several way (exam, quiss home work

3	4	Learn student about STAAD Pro. program	Introduction for the program and how starting making an analysis and design structures	Theoretical and Practical	Several way (exam, quiss home work
4	4	Learn student about STAAD Pro. program	Introduction for the program and how starting making an analysis and design structure used example for multi story building	Theoretical and Practical	Several way (exam, quiss home work
5	4	Learn student about STAAD Pro. program	Introduction for the program and how starting making an analysis and design structure used example for multi story building	Theoretical and Practical	Several way (exam, quiss home work
6	4	Learn student about STAAD Pro. program	Introduction for the program and how starting making an analysis and design structure used example for multi story building	Theoretical and Practical	Several way (exam, quiss home work
7	4	Learn student about STAAD Pro. program	Introduction for the program and how starting making an analysis and design structure used example for multi story building	Theoretical and Practical	Several way (exam, quiss home work
8	4	Learn student about STAAD Pro. Program and discuss the result obtain	Introduction for the program and how starting making an analysis and design structure used example for multi story building finding the reinforcement of beams and column	Theoretical and Practical	Several way (exam, quiss home work
9	4	Learn student about STAAD Pro. Program and discuss the result obtain	Introduction for the program and how starting making an analysis and design structure used example for multi story building finding the reinforcement of beams and column	Theoretical and Practical	Several way (exam, quiss home work
10	4	Learn student about STAAD Pro. Program and discuss the result obtain	Introduction for the program and how starting making an analysis and design structure used example for multi story building finding the reinforcement of beams and column	Theoretical and Practical	Several way (exam, quiss home work
11	4	Learn student about STAAD Pro. Program and discuss the result obtain	Introduction for the program and how starting making an analysis and design structure used example for multi story building finding the	Theoretical and Practical	Several way (exam, quiss home work

			reinforcement of beams and column		
12	4	Learn student about STAAD Pro. Program and discuss the result obtain	Introduction for the program and how starting making an analysis and design structure used example for multi story building finding the reinforcement of beams and column		
13	4	Learn student about STAAD Pro. Program and discuss the result obtain	Introduction for the program and how starting making an analysis and design structure used example for multi story building finding the reinforcement of beams and column		
14	4	Learn student about STAAD Pro. Program and discuss the result obtain	Introduction for the program and how starting making an analysis and design structure used example for multi story building finding the reinforcement of beams and column		
15	4		Final Exam		

2. Course Evaluation

3. Learning and Teaching Resources

Required textbooks (curricular books any)	Hand Book for STAAD Pro.
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

