1.	Name of Course					Civil Engineering Thesis I			
2.	Course Code					JCET4372			
	,		•			subject is offered., JCET= the remaining three alphabet			
	· · · · · · · · · · · · · · · · · · ·	•	-		_	git identify level of study; in this case undergraduate level,			
	4372= the second and third digits hours	identif	y sı	ıbject	identity and	d 437 2 = the fourth digit identify credit value or credit			
3.	Name(s) of academic staff					To be Assigned			
4.	Rationale for the inclusion of the	course	e/m	odule	in the	Student's ability to carry out the project thesis and to			
	programme				present at the end of semester				
5.	Semester and Year offered					1/4			
6.	Total Student Learning Time (SLT)	Face	to I	Face		Total Guided and Independent Learning			
	(SET)	L	Т	P/S	0	Independent Study(IS)= 14			
	L = Lecture T = Tutorial	_	ļ '	173	Consult	Total =84			
	P = Practical S =Studio Works				ation	Total =04			
	O = Others	14	_	56	14				
7.	Credit Value		I.	I		2.0			
	Consultation (1hour per week x 14	4 week	(s)						
	Practical (4 hours per week x 14 w	veeks)							
8.	Prerequisite (if any)					None			

9. Course Objectives

1. The objective of this course is to equip the students with research skills and communication skills at the of the project study.

Course Learning Outcomes (CLO)

At the end of the semester students should be able to:

- CLO1: To understand and undertake in research, design any projects in the area of student interest relevant to Civil Engineering.
- CLO2: To understand statements of facts and defend such statement for the learned audience.
- CLO3: To involved any carry out experimental study project work methodology relevant for pursuing higher degrees or similar vocations that demands it.
- CLO4: To produce a report on the relevant work which they are carried out.

10. Transferable Skills:

This course is expected the development of the following transferable skills:

- a) Self-management an ability to manage time and task
- b) Learning skills
 - An ability to learn both independently and co—operatively;
 - An ability to use library skills, to find and organize information;
 - An ability to use a wide range of academic skills (research, analysis, synthesis etc.);
 - An ability to identify and evaluate personal learning strategies.
- c) Teamwork
 - An ability to take responsibility and carry out agreed task;
 - An ability to take initiative and lead other;
 - An ability to identify and evaluate personal learning strategy.
- d) Problem solving
 - An ability to analyse;

- An ability to think laterally about a problem;
- An ability to identify strategy options;
- An ability to solve the problems
- e) Information technologies

An ability to use specialist software where relevant to the discipline.

11. Teaching-learning and assessment strategy

A variety of leaching strategies are used throughout the course, including the following:

- Classroom Lessons; Lecturer and power point presentations
- Tutorial Session;
- Student-Lecturer Discussion
- Collaborative and Co-operative learn;
- Independent study.

Assessment:

<u>Total</u>	100%
Report	70%
Presentation	20%
Consultation	10%

12. Synopsis:

Students would be given a wide selection of thesis titles of their interest related to the course they take. Each student would be assigned a thesis title and work independently under the supervision of an academic staff

13. Mode of Delivery:

Supervision session.

CLO-PLO	Assessment Tool	1	2	3	4	5
Marks		0-39	40-49	50-59	60-74	75-100
Grade		(F)	(D,D+)	(C-,C,C+)	(B-,B,B+)	(A-,A,A+)
CLO1: To understand and undertake in research, design any projects in the area of student interest relevant to Civil Engineering.	Consultation Presentation Report	 Fail to: Learn both independent and cooperatively Use library skills, to find and organize information Take responsibility and carry out laboratory test Manage time and task 	Learn both independent and cooperatively Use library skills, to find and organize information Take responsibility and carry out laboratory test Manage time and task	Satisfactory to: Learn both independent and cooperatively Use library skills, to find and organize information Take responsibility and carry out laboratory test Manage time and task	 Learn both independent and cooperatively Use library skills, to find and organize information Take responsibility and carry out laboratory test Manage time and task 	To: Learn be independed cooperative Use library to find and organize informatioe Take responsibility and carry collaboratory Manage tire task

CLO2:	Consultation	Fail to:	Poor to:	Satisfactory to:	Good to:	Excellent to:
To understand statements of facts and defend such statement for the learned audience.	Presentation Report	 Learn both independent and cooperatively Use library skills, to find and organize information Take responsibility and carry out laboratory test Manage time and task 	 Learn both independent and cooperatively Use library skills, to find and organize information Take responsibility and carry out laboratory test Manage time and task 	 Learn both independent and cooperatively Use library skills, to find and organize information Take responsibility and carry out laboratory test Manage time and task 	 Learn both independent and cooperatively Use library skills, to find and organize information Take responsibility and carry out laboratory test Manage time and task 	 To: Learn both independent and cooperatively Use library skills to find and organize information Take responsibility and carry out laboratory test Manage time an task
CLO3:	Consultation Presentation	Fail to: • Learn both	Poor to: • Learn both	Satisfactory to: • Learn both	Good to: • Learn both	Excellent to: • To: Learn both
To involved any carry out experimental study project work methodology relevant for pursuing higher degrees or similar vocations that demands it.	Report	independent and cooperatively Use library skills, to find and organize information Take responsibility and carry out laboratory test Manage time and task	 independent and cooperatively Use library skills, to find and organize information Take responsibility and carry out laboratory test Manage time and task 	 independent and cooperatively Use library skills, to find and organize information Take responsibility and carry out laboratory test Manage time and task 	independent and cooperatively Use library skills, to find and organize information Take responsibility and carry out laboratory test Manage time	independent and cooperatively Use library skills, to find and organize information Take responsibility and carry out laboratory test Manage time and task

					and task	
CLO4: To produce a report on the relevant work which they are carried out.	Consultation Presentation Report	Fail to: • Learn both independent and cooperatively • Use library skills, to find and organize information • Take responsibility and carry out laboratory test • Manage time and task	Poor to: • Learn both independent and cooperatively • Use library skills, to find and organize information • Take responsibility and carry out laboratory test • Manage time and task	Satisfactory to: Learn both independent and cooperatively Use library skills, to find and organize information Take responsibility and carry out laboratory test Manage time and task	Good to: Learn both independent and cooperatively Use library skills, to find and organize information Take responsibility and carry out laboratory test Manage time and task	To: Learn book independent cooperative Use library sto find and organize information Take responsibility and carry out laboratory to Manage time task

15.	Mapping of the Programme Ob	jectives	to the	Progr	amme L	earning	Outcomes					
	Programme Learning Outcomes (PLO) Programme Objectives (PO)	PLO1: Ability to acquire and apply knowledge of science and engineering fundamentals;	PLO2: Acquired in-depth technical competence in civil engineering discipline;	PLO3: Ability to undertake problem identification, formulation and solution;	PLO4: Ability to utilize systems approach to design and evaluate operational performance;	PLO5: Understanding of the principles of design for sustainable development;	PLO6: Understanding of professional ethics, Islamic values, social, cultural, global and environmental responsibilities of a professional engineer and commitment to them;	PLO7: Ability to communicate effectively, not only with engineers but also with the community at large;	PLO8: ability to function effectively as an individual;	PLO9: Ability to function effectively in group with the capacity to be a leader or manager;	PLO10: Recognizing the need to undertake lifelong learning, and possessing /acquiring the capacity to do so;	PLO11: ability to become Entrepreneur;
	PEO1: To produce graduates with proficient knowledge and competency in various areas in Civil/Electrical/Mechanical Engineering	√	√	✓								
	PEO2: To produce graduates with professional, generic attributes to meet the present and future global demands.				✓	✓	✓			✓	√	
	PEO3: To produce graduates with Islamic humanistic values and reinvention skills to meet the requirement of a dynamic environment. These skills include Civil Intelligence, Moral Intelligence, Self-Reliance and Communication Skills							✓ ✓		✓		*

Mapping of the course Learn	-	T	T			T	 	T .	1	ī
Outcomes (PLO) Course Learning Outcome (CLO)	PLO1: Ability to acquire and apply knowledge of science and engineering fundamentals;	PLO2: Acquired in-depth technical competence in civil engineering discipline;	PLO3: Ability to undertake problem identification, formulation and solution;	PLO4: Ability to utilise systems approach to design and evaluate operational performance;	PLO5: Understanding of the principles of design for sustainable development;	PLO6: Understanding of professional ethics, Islamic values, social, cultural, global and environmental responsibilities of a professional engineer and commitment to them;	PLO7: Ability to communicate effectively, not only with engineers but also with the community at large;	PLO8: ability to function effectively as an individual;	PLO9: Ability to function effectively in group with the capacity to be a leader or manager;	PLO10: Recognising the need to undertake lifelong learning, and possessing /acquiring the capacity to do so;
CLO1: To understand and undertake in research, design any projects in the area of student interest relevant to Civil Engineering.	√									
CLO2: To understand statements of facts and defend such statement for the learned audience.	√									
CLO3: To involved any carry out experimental study project work methodology relevant for pursuing higher degrees or similar vocations that demands it	✓	✓	✓							

L

CLO4:							
To produce a report on the relevant work which they are carried out.	✓	✓	✓				

COII	tent outline of the course/module and the SLT per topic Details			SLT (Ho	nur\	
	Details	L	С	P P	IS	Tota
Topic 1	 Topics are carefully selected by the Departmental Head and or his committee so that reasonable results could be obtained within the time stipulated and the resources available. Individual study is encouraged though in exceptional cases, two or more students may collaborate (for example, where the approved topics require co-operative effort to see reasonable progress within the time and resources available) but each student must submit an individual report. Co-supervisor could be from outside the Department or outside bodies and agencies. The topics should be selected before the end of year 3. The course 'Experimental Techniques' will form and exposition and presents the opportunity for discussion of some types of project. A study/investigation project may be undertaken through laboratory experimental investigations. Other areas include case histories, investigation, computational and analytical studies. In these cases, data obtained from "secondary" recourses such as published report are preferably be treated with further analysis or interpretation before being included in the thesis. The presentation of the thesis include objective, literature review, research methodology, expected results or product and project schedule Specific and detailed requirements of the thesis submission, assessment and format are as according to Departmental Regulations. The report would be assigned together with the oral presentation by the student at the end of the semester 		14	56	14	126
N/-'	Total (Hour)	-	14	56	14	84
	n references supporting the course naterials will be available to the students in the library					
Add	tional references supporting the course					
All n	naterials will be available to the students in the library					
	er additional information					
All n	naterials will be available to the students in the library.					