<table>
<tr><td>1.</td><td colspan="5">Name of Course</td><td>Civil Engineering Thesis II</td></tr>
<tr><td>2.</td><td colspan="5">Course Code</td><td>JCET4404</td></tr>
<tr><td></td><td colspan="6">JCET = the first alphabet identify the faculty within which the subject is offered., JCET = the remaining three alphabet identify the course that offers the subject, 4404 = the first digit identify level of study; in this case undergraduate level, 4404= the second and third digits identify subject identity and 4404 = the fourth digit identify credit value or credit hours</td></tr>
<tr><td>3.</td><td colspan="5">Name(s) of academic staff</td><td>To be Assigned</td></tr>
<tr><td>4.</td><td colspan="5">Rationale for the inclusion of the course/module in the programme</td><td>Student’s ability to carry out project thesis at the end of the semester</td></tr>
<tr><td>5.</td><td colspan="5">Semester and Year offered</td><td>2/4</td></tr>
<tr><td rowspan="3">6.</td><td rowspan="2">Total Student Learning Time (SLT)</td><td colspan="4">Face to Face</td><td rowspan="2">Total Guided and Independent Learning</td></tr>
<tr><td rowspan="2">L = Lecture T = Tutorial
P = Practical S=Studio Works
O= Others</td><td>L</td><td>T</td><td>P/S</td><td>O Consultation</td></tr>
<tr><td>-</td><td>-</td><td>140</td><td>14</td><td>Independent Study(IS)= 14
Total =168</td></tr>
<tr><td>7.</td><td colspan="5">Credit Value</td><td>4.0</td></tr>
<tr><td></td><td colspan="6">Consultation (1 hour per week x 14 weeks)
Practical (10 hours per week x 14 weeks)</td></tr>
<tr><td>8.</td><td colspan="5">Prerequisite (if any)</td><td>Civil Engineering Thesis I (JCET4372)</td></tr>
<tr><td>9.</td><td colspan="6">Course Objectives
1. The aim of this course is to equip the students with culmination of an independent work guided by staff members

Course Learning Outcomes (CLO)
At the end of the semester students should be able to:

CLO1: To students insight into the organization, the approach, the analysis and the methodology in research of particular topic in areas of student's interest.
CLO2: To train the students in expounding statements of facts and defend such statement for the learned audience.
CLO3: To provide the students expositions into experimental study project work methodology relevant for pursuing higher degrees of similar vocations that demands it.
CLO4: To train student and write a good thesis</td></tr>
<tr><td>10.</td><td colspan="6">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</td></tr>
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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.

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<tr><td>11.</td><td>
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:
<table>
<tr><td>Consultation</td><td>10%</td></tr>
<tr><td>Presentation</td><td>20%</td></tr>
<tr><td>Report</td><td>70%</td></tr>
<tr><td><u>Total</u></td><td><u>100%</u></td></tr>
</table>
</td></tr>
<tr><td>12.</td><td>
Synopsis:
Students would be given a wide selection of thesis titles of the interest related to the course of they take. Each student would be assigned a thesis title and work independently under the supervision of academic staff.
</td></tr>
<tr><td>13.</td><td>
Mode of Delivery:
Supervision Session
</td></tr>
</table>

14.	**Performance Criteria :**						
	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 students insight into the organization, the approach, the analysis and the methodology in research of particular topic in areas of student's interest.O1:	**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	**Excellent to:** • 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

	CLO2: To train the students in expounding statements of facts and defend such statement for the learned audience.	**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	**Excellent to:** • 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
	CLO3: To provide the students expositions into experimental study project work methodology relevant for pursuing higher degrees of similar vocations that demands it.	**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	**Excellent to:** • 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

	CLO4: To train student and write a good thesis	**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	**Excellent to:** • 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

15. **Mapping of the Programme Objectives to the Programme Learning Outcomes**

Programme Objectives (PO) \ Programme Learning Outcomes (PLO)	**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							✓	✓	✓		✓

16. **Mapping of the course Learning Outcome to the Programme Outcome**

Programme Learning 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;	**PLO11**: ability to become Entrepreneur;
CLO1: To students insight into the organization, the approach, the analysis and the methodology in research of particular topic in areas of student's interest.	✓										
CLO2: To train the students in expounding statements of facts and defend such statement for the learned audience.	✓										
CLO3: To provide the students	✓	✓	✓								

	expositions into experimental study project work methodology relevant for pursuing higher degrees of similar vocations that demands it											
	CLO4: To train student and write a good thesis	✓	✓	✓								

<table>
<tr><td rowspan="3">17.</td><td colspan="6">Content outline of the course/module and the SLT per topic</td></tr>
<tr><td></td><td rowspan="2">Details</td><td colspan="5">SLT (Hour)</td></tr>
<tr><td></td><td>L</td><td>C</td><td>P</td><td>IS</td><td>Total</td></tr>
<tr><td></td><td>Topic 1</td><td>• Topics are carefully selected by the Departmental Head and or his committee so that reasonable results could obtained within the time stipulated and the resources available.
• Experimental projects topics are guided by staff members of the Civil Engineering Department.
• The topics should be selected before the end of third year.
• A study or investigation project may be undertaken in lieu of laboratory experimental investigations. Other areas include case histories investigation, computational and analytical studies.
• Some credit will be given in Semester 1 of fourth year assessment for the student's work but most credit is reserved for the presentation of thesis and oral.
• Specific and detailed requirements of the thesis submission, assessment and format are as according to Departmental Regulations.</td><td>-</td><td>14</td><td>140</td><td>14</td><td>168</td></tr>
<tr><td></td><td colspan="2">Total (Hour)</td><td>-</td><td>14</td><td>140</td><td>14</td><td>168</td></tr>
<tr><td>18</td><td colspan="6">Main references supporting the course
1. MEDIU’s Student guide for writing thesis 2011</td></tr>
<tr><td></td><td colspan="6">Additional references supporting the course</td></tr>
<tr><td>19</td><td colspan="6">Other additional information
All materials will be available to the students in the library.</td></tr>
</table>