Course Descriptor

CVEN324 INTEGRATED GROUP PROJECT

ACADEMIC YEAR	2018-2019	**SEMESTER**	
Course Code	CVEN324	**Course Title**	Integrated Group Project
Credit hours	3	**Level of study**	Undergraduate
College / Centre	Engineering	**Department**	Civil Engineering
Co- & Pre-requisites	None	**Co-requisites**	None

1. COURSE OUTLINE

In this course students will apply knowledge in the core areas of civil engineering learnt at diploma level as well as gaining an in-depth perspective of the planning, design, organisation and construction methods involved in deleievery of buildings and infrastructure across the project life cycle.This course deals with a design project of a civil engineering system that involves more than one civil engineering specialization. Students work in groups under close supervision of faculty members.

2. AIMS

The aim of this course is to develop distinctive skills to play a key role as part of a team working on a realistic design project. It reflects on creating and testing ideas to solve real-world problems. This course aims to improve student's technical knowledge, communication, practical skills and employability.

3. LEARNING OUTCOMES, TEACHING, LEARNING and ASSESSMENT METHODS (Indicative)

Learning Outcomes (Definitive)	Teaching and Learning methods (Indicative)	Assessment (Indicative)
1. Review and develop concepts, theories and technical knowledge.	Self-study & Faculty Consultation	Comprehensive viva
2. Interpret the specifications and constraints of a given project.	Self-study & Faculty Consultation	Comprehensive viva, technical reports
3. Apply technical knowledge to solve various civil engineering problems.	Self-study & Faculty Consultation	Technical reports
4. Analyze various aspects of technical details concerning a project and understand the correlation between them.	Self-study & Faculty Consultation	Technical reports
5. Integrate creative ideas and concepts to form complex	Self-study & Faculty Consultation	Technical reports

solutions to given constraints in a civil engineering problem/project.		
6. Evaluate various techniques used to solve a particular engineering problem/project based on observations, self-study and informed rationalizations.	Self-study & Faculty Consultation	Technical reports, presentations

4. ASSESSMENT WEIGHTING

Assessment	Percentage of final mark (%)
Participation & Activity	30%
Technical Report Submission	30%
Final Presentation	40%
TOTAL	**100%**

5. ACHIEVING A PASS

Students will achieve **3** credit hour for this course by passing **ALL** of the course assessments *(Participation, Activity, technical Report submission, Final Presenatation)* and achieving a **minimum overall score of 50%**

6. COURSE CONTENT (Indicative)

WEEK	LECTURE TOPIC	TIME (HOURS)
1	Introduction	3
2	Understanding the problem statement/project description	3
3-5	Group Work & Faculty Consultation	9
6-8	Group Work & Faculty Consultation	9
9-11	Group Work, Faculty Consultation, Technical Report Drafting	9
12-13	Group Work, Faculty Consultation, Technical Report Drafting	6

6. COURSE CONTENT (Indicative)		
WEEK	**LECTURE TOPIC**	**TIME (HOURS)**
14	Group Work & Faculty Consultation, Technical Report Drafting	3
15	Final Presentation	3
	TOTAL HOURS	**45**
1 - 15	Plus **RECOMMENDED INDEPENDENT STUDY HOURS**	**90**
	TOTAL COURSE HOURS	**135**

7. RECOMMENDED READING

***Core text**:*
No required text. All necessary references will be available to students upon request.

***Library+Online resources**:*