

CA4455: ASSET MANAGEMENT

Effective Term

Semester A 2022/23

Part I Course Overview

Course Title

Asset Management

Subject Code

CA - Civil and Architectural Engineering

Course Number

4455

Academic Unit

Architecture and Civil Engineering (CA)

College/School

College of Engineering (EG)

Course Duration

One Semester

Credit Units

3

Level

B1, B2, B3, B4 - Bachelor's Degree

Medium of Instruction

English

Medium of Assessment

English

Prerequisites

Nil

Precursors

Nil

Equivalent Courses

BC4455/BC4455F Asset Management

Exclusive Courses

Nil

Part II Course Details

Abstract

The course aims to develop the business process, decision making, legal and contractual concepts for real estate asset management, professional management of real estate and property investments, analysis the market for investment and real estate property asset liabilities.

Course Intended Learning Outcomes (CILOs)

	CILOs	Weighting (if DEC-A1 DEC-A2 DEC-A3 app.)		
1	Introduce the basic principles of asset management;		x	
2	Elaborate the real estate asset investment decisions;			x
3	Discuss strategic-planning, administrative tasks and liabilities in real estate asset management;			x
4	Explore real estate asset income and expenses;			x
5	Determinate Life Cycle Cost (LCC) of building components;			x

A1: Attitude

Develop an attitude of discovery/innovation/creativity, as demonstrated by students possessing a strong sense of curiosity, asking questions actively, challenging assumptions or engaging in inquiry together with teachers.

A2: Ability

Develop the ability/skill needed to discover/innovate/create, as demonstrated by students possessing critical thinking skills to assess ideas, acquiring research skills, synthesizing knowledge across disciplines or applying academic knowledge to real-life problems.

A3: Accomplishments

Demonstrate accomplishment of discovery/innovation/creativity through producing /constructing creative works/new artefacts, effective solutions to real-life problems or new processes.

Teaching and Learning Activities (TLAs)

	TLAs	Brief Description	CILO No.	Hours/week (if applicable)
1	Lectures	Introduce asset management theories and techniques	1, 2, 3	
2	Tutorials	Apply asset management techniques by conducting case studies	3, 4, 5	

Assessment Tasks / Activities (ATs)

	ATs	CILO No.	Weighting (%)	Remarks (e.g. Parameter for GenAI use)
1	Assignment	1, 2, 3, 4, 5	30	
2	Mid-term Quiz	1, 2, 3, 4, 5	20	

Continuous Assessment (%)

Examination (%)

50

Examination Duration (Hours)

3

Additional Information for ATs

To pass a course, a student must obtain minimum marks of 30% in both coursework and examination components, and an overall mark of at least 40%.

Assessment Rubrics (AR)

Assessment Task

Assignment

Criterion

CAPACITY to UNDERSTAND asset management theories and EXPLAIN the issues related to asset management practices.

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Basic

Failure (F)

Not even reaching marginal levels

Assessment Task

Mid-term Quiz

Criterion

ABILITY to UNDERSTAND a range of asset management techniques and APPLY the techniques to improve asset management practices

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Basic

Failure (F)

Not even reaching marginal levels

Assessment Task

Examination

Criterion

ABILITY to CONNECT theories and practices in actual contexts and PROPOSE innovative solutions based on advanced techniques.

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Basic

Failure (F)

Not even reaching marginal levels

Part III Other Information**Keyword Syllabus**

Business process of real estate asset management, decision making of real estate asset investment, professional management of real estate and property investments, real estate asset valuation and life cycle costing of property assets, real estate property asset liabilities.

Reading List**Compulsory Readings**

Title	
1	Nil

Additional Readings

Title	
1	Bosak A., Mayer B., V#gel H. (2007) "Real Estate Asset Management". Vienna, Austria: Europe Real Estate Asset Management.
2	Lee R. (1987) "Building Maintenance Management", 3rd ed., Granada.
3	Scarrett D. (1995) "Property Asset Management", N.Y.: E. & F.N. Spons.
4	Wittaker R. (1987) "Financing the Maintenance and Repair of Leased Property", CEM
5	FHWA Asset Management Position Paper, https://www.fhwa.dot.gov/infrastructure/asstmgmt/ampp.cfm
6	Asset Management Guide, http://www.anao.gov.au/uploads/documents/Asset_Management.pdf