Addis College

Addis Ababa, Ethiopia

Course Outline

Course Name	Construction Risk and Change Management
Course Code	COMA 6204
Degree Program	M.Sc. in Construction Management
Lecturer	Dr Meseret Getnet
Credit Hours/ECTS	2Cr.Hrs / 5 ECTS
Contact Hours (per week)	
Course Aim	The course aims to introduce the concepts of risk and change management, apply them to strategic and tactical problems and illustrate their tools and techniques through case study.
Course Outcome	On completion of the course, students will be able to: → A practical understanding of the risk and change management of the strategic and tactical development of a construction project → Gain a practical appreciation of change& risk management techniques used at the technical development stage of the design → Understanding of the practice of risk and change management with the Ethiopian practice of cost management → Understand the development of project brief, including a practical appreciation of change& risk management techniques used at this stage → Investigating contemporary approaches to change and risk in the context of construction projects → Be able to analyze a client's requirements and articulate them in clear unambiguous terms

→ Develop capacity for creative and lateral thinking through risk and change study approaches

Course Description/ Course Contents

1. Risk Management in Construction
   - → Definitions & concepts,
   - → Risk attitude & risk exposure,
   - → Uncertainties & risks in domestic and International Construction Projects;
2. Risk Management Processes
   - → Plan risk management
   - → Risk identification
   - → Assessment/analysis
   - → Risk response
   - → Monitoring
3. Construction Change Management
   - → Definition & concepts,
   - → Types / categories,
   - → Construction company level changes,
   - → Project level (requirement, time related and cost / financial related changes & their management)

Pre-requisites	CM 6101, CM 6102, CM 6201
Semester	2
Status of Course	Optional
Number of Staff	1 per class session and partial input of other 1 staff
Number of Students	Max 20 students per class
Teaching & Learning Methods	Lectures, guest speakers, self-study, assignments, presentations and discussions
Evaluation & Grading System	Assignments: Term paper on related topics and other continuous assignments which focused on local context; and Written or oral examination:
Attendance Requirements	Minimum 75 %

Reading Materials

1. Dallas, Michael (2006). Value and risk management: a guide to best practice, Blackwell Publishing Ltd.
2. Cooper, Dale F.; Grey, Stephen; Raymond, Geoffrey and Walker, Phil (2005). Project Risk Management Guidelines: Managing Risk in Large Projects and Complex Procurements, John Wiley & Sons Ltd.
3. PMI (Project Management Institute) (20). A guide to the project management body of knowledge: PMBOK. 6th edition. Pennsylvania: Project Management Institute, Inc.
4. PMI (Project Management Institute) (2016). Construction Extension to the PMBOK Guide. Pennsylvania: Project Management Institute, Inc.