BIM Fundamentals

Course Overview

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Construction Engineering and Management

BIM Fundamentals

☐ **Purpose of the course**

■ Introducing the role and importance of building information modeling in construction project management processes,

■ Improving the students' system technical skill in working with BIM-based tools,

■ Introducing different prevalent terms and aspects of BIM to the students,

Question: Are you going to be an BIM Manager/ BIM modeler after this course?

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□ **Course outline**

#	Topic
1	Construction Project Management Challenges and BIM
2	Introduction to Building information Modeling
3	Introduction to Autodesk Revit, a BIM-base tool
4	How to Utilize BIM Capacities for Efficient Project Management
5	Various Aspects of BIM (LOD, Maturity, BIM Pyramid, BIM Elephant)
6	Learning Information Management Features of Autodesk Revit
7	Introduction to Open BIM and Closed BIM
8	Use of BIM in Information Management of Construction Projects
9	Introduction to BIM Strategic Plan
10	Introduction to BIM Execution Plan

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- **Grade Distribution:**
  - Home Assignments: 15%
  - Lab/ in Class Exercises: 10%
  - Term Project: 25%
  - Final Exam: 50% (Open book)

Thank you!