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Description

Construction is a very expensive venture that requires careful planning, if costs are to be maintained within manageable levels. It is imperative to understand the factors that affect the cost of a building project and how these costs can be controlled.

Objectives

1. Introduce the students to the management of construction costs
2. To make the student aware of affordability options in the construction industry

Course Content

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| 1. Cost components operative in the building industry | [04 CU] |
| 2. Interaction of labour and materials costs | [05 CU] |
| 3. Methods of optimisation of construction costs | [05 CU] |
| 4. Economic analysis | [04 CU] |
| 5. Choice of sites and their acquisition | [04 CU] |
| 6. Financial feasibility studies | [04 CU] |
| 7. The finance of building in the public and private sectors | [04 CU] |

Learning Outcomes

At the end of the course the students should be able to:

1. determine the viability of a building project
2. understand the factors that affect the construction cost
3. Carry out a financial feasibility

Teaching and Learning Pattern

The course will be delivered through a mixture of lectures, tutorials, illustrations, and group discussions. Lecture material will be supplemented by individual reading by students.

Mode of Assessment

Assessment will be done through continuous coursework and final written examination. Continuous assessment will include assignments, tests and practical exercises. A final examination will be offered at the end of the semester. Coursework will carry a total of 40% and a written examination will carry 60%.

Mode of delivery

Lectures (30 hours), Practicals (0 hours). The total contact hours are 30

Recommended Reference Books/ Literature

1. Bergeron, P. R. (2007) *Cut costs not quality: to reduce construction costs and help solve the country's housing affordability crisis*, Wood Partners shows that sometimes you only ... and suppliers.:
An article from: Units
2. Ding, A. (2006) *DEWALT Construction Estimating Professional Reference* (Dewalt Trade Reference Series)

3. Waier, P.R., Babbit, C., Balboni B. et al (2010) [RSMeans Building Construction Cost Data 2010](#)