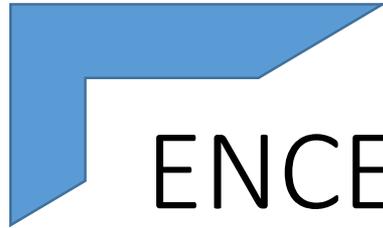
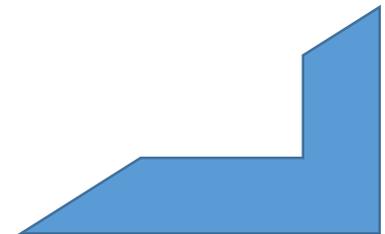


Contracts, Specifications and Quantity Surveying



ENCE421:

Construction Project and Contracts Parties



Today's Presentation Outline

- Revisit previous lecture
- Construction project and contracts parties
- Types of construction

Revisit previous lecture

- ✓ Construction project
- ✓ What are the components of the project
- ✓ Project main stages
- ✓ Formation of a construction contract

Construction Project and contracts Parties

- **Owner /employer:** An individual or organization owns & finances the project. Duty to pay the contractor.
- **Contractor:** Performs all or the major portion of the project. Duty to carry out and complete the works. (some of the following may be done by subcontractors but general contractor is responsible):
 - Site preparation
 - Excavation & backfilling
 - Concrete placement
 - Mechanical work
 - Others?

Construction Project and contracts Parties Cont'd

- **Subcontractor** :Performs a portion of the contract's work.
Subcontractors may engage other subcontractors.
- **Specialty Contractor:** A contractor that performs specialized construction such as painting , electrical, and plumbing.
- **Architect/Contract administrator:** Plans, programs, designs buildings, and administer the contract (may be asked to supervise construction).
- **Engineer:** An individual and/or a firm engaged in specialized design such as civil, structural, electrical and mechanical.

Construction Project and contracts Parties Cont'd

- **Project Manager:** Responsible (for the owner) for overall coordination among all stages:
 - Planning
 - Design
 - Procurement; and
 - Construction

Construction Project and contracts Parties

Cont'd

- **Construction Manager (CM):** Provides management services for on-site activities & consulting services to owner (normally responsible for managing operations associated with the contractor). Responsible for:
 - Design coordination
 - Participation in the selection of materials & methods of construction
 - Contracts preparation for award by the owner
 - Cost and schedule information & control
 - Quality

Technopark Example

Types of Construction

1. Building construction

- Residential buildings
- Non- residential buildings
 - Commercial buildings
 - Industrial buildings

2. Non building construction

- Heavy & Highway Construction
- Marine Construction
- Military Construction

Summary

- ✓ Construction project and contracts parties
- ✓ Types of construction
- ✓ Technopark

Next ---> Project Stages

Any Questions??