

AMBO UNIVERSITY, WOLISO CAMPUS  
DEPARTMENT OF CONSTRUCTION TECHNOLOGY & MANAGEMENT

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**Course Code & Title:- Construction Health and Safety Management(CoTM4232)**

**Academic Year:** 2019/2020

**For** 4th Year

**Semester II**

**Instructor:-** Meseret H. & Nigusie K.

**Program:-** Extension

**COURSE OBJECTIVE:**

- To enable students to appreciate the importance of health and safety management in a construction site.
- To make students aware of legal requirements regarding health and safety.
- To make students aware of health hazards associated with different construction materials during construction.
- To enable students to work out suitable safety measures.

**COURSE OUTLINE**

**Chapter one**

1. INTRODUCTION
  - 1.1. Construction health and safety management
  - 1.2. Safety Engineering
  - 1.3. Function of safety engineering
  - 1.4. The main elements of construction project
  - 1.5. The Challenges/Limitations of construction projects

**Chapter two**

2. THEORIES AND CLASSIFICATION OF ACCIDENTS
  - 2.1. Classification of Accidents
  - 2.2. site Tidiness
  - 2.3. Steps for site Tidiness
  - 2.4. Safety in Excavation

**Chapter Three**

3. COST OF ACCIDENTS
  - 3.1. Experience Modification Rate & Loss Ratio
  - 3.2. Experience Modification Rate
  - 3.3. Economic Costs and Benefits

3.4 Accident investigation and Recording

**Chapter Four**

4. CONSTRUCTION SAFETY MANAGEMENT SYSTEM
  - 4.1. safeties in construction
  - 4.2. Techniques of Accident Prevention
  - 4.3. Duties and responsibilities of construction
  - 4.4. Safety policy in practice
  - 4.5. Construction Industry and its significance

**Chapter five**

5. Professional and Occupational safety
  - 5.1. Role of construction Safety professional on the Built-Environment
  - 5.2. Construction Inspection

**ASSESSMENT/EVALUATION & GRADING SYSTEM**

**Continuous assessment**—————**60%**  
**Final examination**—————**40%**