



**UNIVERSITY OF SWAZILAND**

Faculty of Health Science

Department of Environmental Health  
Sciences

Final Examination 2005

Title of paper: Risk Assessment, Management and  
Communication

Course code: EHS 534

Time allowed: 3 hours

Marks allocation: 100 Marks

Instructions:

- 1) Read the questions and instructions carefully
- 2) Answer Five questions
- 3) Each question is weighted 20 marks
- 4) Write neatly and clearly

This paper is not to be opened until the invigilator has granted  
permission

**EHS 534**  
**FINAL EXAMINATION**  
**YEAR 2004/2005**

**Question 1**

- a) You are to investigate an accident/disease. What will you consider in your investigation?  
[12 Marks]
- b) What is an accident according to the Occupational Safety and Health Act 2001 and how should it be handled by the employer.  
[8 Marks]

**Question 2**

Fully explain a method you would use to develop preventive measures.  
[20 Marks]

**Question 3**

What is task analysis and how does it contribute in minimizing safety and health hazards.  
[20 Marks]

**Question 4**

Explain the following:

- a) Employee [2 Marks]
- b) Hazard identification [6 Marks]
- c) Safety auditor [2 Marks]
- d) Reactive measures procedures [10 Marks]

**Question 5**

In a 30-min session, you are to make a presentation to management on “**Occupational accident/disease and how they are handled according to the law**”.

- Write the objectives of the session
- Write points to discuss in the session

[20 Marks]

**Question 6**

Explain 4 of the following:

- a) FTA
- b) HAZOP
- c) Preliminary hazard analysis
- d) FMEA
- e) Job safety analysis

[20 Marks]