

BSc. 300 - MINE OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT

Course Objectives:

The BSc. course is designed to equip the students with the knowledge of principles of Occupational Health and Safety Management Systems.

The course will enable students to recognize generic mine occupational health and safety hazards.

The course provides an understanding of the impacts they may have on human health and injury if they are not managed to certain standards.

To sight out the generic hazards which include a range of chemical hazards, fatigue, noise, respiratory dust, diesel emissions, radiation, light and musculoskeletal conditions.

The course provides students with the skills to manage these hazards under normal operating conditions.

COURSE OUTCOME:

After the successful completion of this course you should be able to:-

- a) To identify the key components of OHS Management Systems.
- b) To identify the generic occupational health and safety hazards within the mining industry and mechanisms for their control.
- c) The graduate from this course will be in the position to demonstrate his/her newly acquired ability to develop systems for managing these hazards in accordance with the relevant legislation.
- d) The graduate will easily demonstrate the ability to critique existing OHS Management Systems at a Mine site.

BSc. 300- COURSE CONTENT:

YEAR 1:

301- Introduction to Principles of OHS Management.

302- OHS Management Guidelines and Standards.

- 303- OHS Management Systems and Legislative Framework.
- 304- Introduction to Occupational Injuries.
- 305- Monitoring and Control of Occupational Injuries.
- 306- Introduction to Principles of OHS Management.

YEAR 2:

- 307- OHS Management Systems and Legislative Framework 11.
- 308- Introduction to Measuring OHS Performance.
- 309- Introduction to Emergency Preparedness.
- 310- Health and Safety Legislation.
- 311- Vehicle Safety Handling.
- 312- Environmental Issues.

YEAR 3:

- 313- Electricity in Workplace.
- 314- Machinery Safety handling.
- 315- Hazards and Definitions.
- 316- Soil Slope Stability
- 317- Rock Slope Stability
- 318- Rock Fall Hazards handling.
- 319- Inspections and Records Keeping.

COURSE COMPLETION:

The students are expected to turn in all the course assignments and reports writing prior to final examinations.

The grading and scoring of the examinations will follow the general assessment policy as stated in this curriculum.

Fees: £5000 /Course

Duration: - 3 Years

Awarding Institutions

