

## ISHD Course Brochure

<b>Course No.</b>	: 02
<b>Course Title</b>	: <b>Industrial Safety &amp; Prevention of Accidents</b>
<b>Course Code</b>	: IS-U101
<b>Duration</b>	: 2 Weeks
<b>Period</b>	: 12 ~ 23 January, 2020
<b>Nomination deadline</b>	: One week before commencing date
<b>No. of Participants</b>	: 20
<b>Course fee</b>	: Tk. 12,300/- per participant
<b>Designed for</b>	: Technicians and Operators of different industries and other establishments

### **Course Objectives:**

- To improve knowledge about industrial hazards, safety regulations & safety awareness.
- To learn safety in chemical process plant operation including house keeping
- To acquaint the functions of different personal protective equipment
- To develop skills of safe handling of aggressive & toxic chemicals, gas cylinders etc.
- To enhance knowledge about safety-precautions of electrical & mechanical maintenance.
- To increase the skills for rescue the victims & provide first aid.
- To perform their jobs with more safety considerations for themselves and their community.
- To disseminate safety awareness among their colleagues.

### **Course Content:**

Industrial hazards & safety requirements, Safety regulations & safety signs, accident & its prevention, fire & explosion hazards, chemical & acoustic hazards, electrical hazards & safety precautions, Personal protective equipment, housekeeping and its importance, safe handling of gas cylinders, safety measures associated with confined space etc. along with practical sessions related to safety, Fire alarm system, various types of up-to-date safety equipment & Personal protective equipment and rescue operation.

### **Training Methodology:**

- Class-room lecture (Multimedia projector, Overhead projector etc.)
- Practical & Demonstration class
- Group Discussion
- Report preparation and presentation
- Case study

### **Evaluation system:**

Attendance, Class participation & Overall performance

<b>Course Advisor</b>	: Executive Director
<b>Course Co-Advisor</b>	: Training Director
<b>Course Director</b>	: Head of Industrial Safety and Health Department
<b>Course Coordinator</b>	: Dr. A.N.M Al-Razee, Deputy Chief Chemist

## ISHD Course Brochure

<b>Course No.</b>	: 07
<b>Course Title</b>	: <b>Electrical Safe Work Practices for Process Industries</b>
<b>Course Code</b>	: IS-U115
<b>Duration</b>	: 1 week
<b>Period</b>	: 08 ~ 13 February, 2020
<b>Nomination deadline</b>	: One week before commencing date
<b>No. of Participants</b>	: 20
<b>Course fee</b>	: Tk. 7,800/- per participant
<b>Designed for</b>	: Technicians and Operators of different industries and other establishments

### **Course Objectives:**

- To give clear understanding about electrical safety rules and regulations.
- To improve the participant a good understanding how to maintain electrical safety precaution in industrial and commercial areas.
- To achieve primary skills to handle safety gears and safe use of electrical tools.
- To perform their jobs with more safety considerations for themselves and their community.
- To disseminate safety awareness among their colleagues.

### **Course Content:**

Introduction to Electrical safety; Safe voltage and current for working personnel; Electrical measuring & testing equipment and protective devices; Fire and explosion hazards & their prevention; Electrical safety signs, safety barriers, safety tags, safety locks etc.; Role of earthing in electrical safety; Safe electrical working procedures & precautions; Emergency actions in case of electrical hazards; Electrical personal protective equipment and Electricity regulations, Corruption issue & Quality of governmental services along with practical sessions on earthing & measurement of Earth resistance & fire fighting.

### **Training Methodology:**

- Class-room lecture (Multimedia projector, Overhead projector etc.)
- Practical & Demonstration class
- Case study
- Factory visit

### **Evaluation system:**

Attendance, Class participation & Overall performance

<b>Course Advisor</b>	: Executive Director
<b>Course Co-Advisor</b>	: Training Director
<b>Course Director</b>	: Head of Industrial Safety and Health Department

**Course Coordinator** : Muhammad Ziaul Haq, Chemist

## ISHD Course Brochure

<b>Course No.</b>	: 18
<b>Course Title</b>	: <b>Risk Awareness &amp; Risk Management in Process Industries</b>
<b>Course Code</b>	: IS-U305
<b>Duration</b>	: 02 Weeks
<b>Period</b>	: 7 ~ 18 June, 2020
<b>Nomination deadline</b>	: One week before commencing date
<b>No. of Participants</b>	: 20
<b>Course fee</b>	: Tk. 12,300/- per participant
<b>Designed for</b>	: Junior and mid-level officers of different industries & other establishments.

### **Course Objectives:**

- To develop knowledge about risk awareness and its management.
- To acquaint safety regulations & safety sign including PPE
- To increase safety awareness in chemical process plant operation.
- To learn about Inspection, Auditing & Recording system of process equipment.
- To develop skillness of performing safe-handling of aggressive & toxic chemicals.
- To enhance knowledge about electrical hazards & mechanical hazards

### **Course Content:**

Introduction to risk awareness and its management; Safety regulations and safety sign; Safety in chemical process plant operation; Inspection, Auditing & Recording system of process equipment; Fire and Explosion hazards; Toxic hazard; Personal protective equipment; Electrical hazards; Safety measures in confined spaces; Effect of preventive maintenance on safety; HAZOP & HAZAN along with practical sessions related to safety, Fire alarm system, various types of up-to-date safety equipment & Personal protective equipment and rescue operation.

### **Training Methodology:**

- Class-room lecture (Multimedia projector, Overhead projector etc.)
- Practical & Demonstration class
- Group Discussion
- Report preparation and presentation
- Case study

### **Evaluation system:**

Attendance, Class participation & Overall performance

<b>Course Advisor</b>	: Executive Director
<b>Course Co-Advisor</b>	: Training Director
<b>Course Director</b>	: Head of Industrial Safety and Health Department
<b>Course Coordinator</b>	: Md. Humayun Kobir, Deputy Chief Chemist

## ISHD Course Brochure

<b>Course No.</b>	: 26
<b>Course Title</b>	: <b>Industrial Hazards &amp; Fire Safety Management</b>
<b>Course Code</b>	: IS-U309
<b>Duration</b>	: 1 week
<b>Period</b>	: 18 ~ 23 July, 2020
<b>Nomination deadline</b>	: One week before commencing date
<b>No. of Participants</b>	: 20
<b>Course fee</b>	: Tk. 7,800/- per participant
<b>Designed for</b>	: Junior and mid-level officers of different industries & other establishments.

### **Course Objectives:**

- To give clear understanding about electrical safety rules and regulations.
- To improve the participant a good understanding how to maintain electrical safety precaution in industrial and commercial areas.
- To achieve primary skills to handle safety gears and safe use of electrical tools.
- To perform their jobs with more safety considerations for themselves and their community.
- To disseminate safety awareness among their colleagues.

### **Course Content:**

Industrial hazards & safety requirements, Safety regulations & safety signs, fire & explosion hazards, Fire alarm system, chemical hazards, accident & its prevention, Personal protective equipment, housekeeping and its importance, safe handling of gas cylinders, etc. along with practical sessions related to safety, Fire hazard, various types of up-to-date safety equipment & Personal protective equipment and rescue operation.

### **Training Methodology:**

- Class-room lecture (Multimedia projector, Overhead projector etc.)
- Practical & Demonstration class
- Case study
- Factory visit

### **Evaluation system:**

Attendance, Class participation & Overall performance

<b>Course Advisor</b>	: Executive Director
<b>Course Co-Advisor</b>	: Training Director
<b>Course Director</b>	: Head of Industrial Safety and Health Department
<b>Course Coordinator</b>	: Muhammad Ziaul Haq, Chemist

## ISHD Course Brochure

<b>Course No.</b>	: 31
<b>Course Title</b>	: <b>Occupational Health and Safety Management</b>
<b>Course Code</b>	: <b>IS-U308</b>
<b>Duration</b>	: 1 Week
<b>Period</b>	: 22 ~ 27 August, 2020
<b>Nomination deadline</b>	: 1~2 Weeks before commencing date
<b>No. of Participants</b>	: 20
<b>Course fee</b>	: Tk. 7,800/- per participant
<b>Designed for</b>	: Junior and mid-level officers of different industries & other establishments.

### **Course Objectives:**

- To improve knowledge about occupational health, industrial hazards, safety regulations & Management.
- To learn safety in chemical process plant operation including house keeping
- To acquaint the functions of different personal protective equipment
- To develop skills of safe handling of aggressive & toxic chemicals, gas cylinders etc.
- To enhance knowledge about food safety and HACCP.
- To increase the skills for rescue the victims & provide first aid.
- To perform their jobs with more safety considerations for themselves and their community.
- To disseminate safety awareness among their colleagues.

### **Course Content:**

Introduction to occupational health & safety management system; Management of industrial hazards; Safety culture & organizational issues; Occupational health management; Chemical hazards & toxicology; Food safety & HACCP; Fire and explosion hazards & its prevention; Acoustic hazards & its control; Personal Protective Equipment; Process risk management; Accident investigation and Housekeeping along with practical sessions on Occupational Health and safety.

### **Training Methodology:**

- Class-room lecture (Multimedia projector, Overhead projector etc.)
- Practical & Demonstration class
- Group Discussion
- Report preparation and presentation
- Case study

### **Evaluation system:**

Attendance, Class participation & Overall performance

<b>Course Advisor</b>	: Executive Director
<b>Course Co-Advisor</b>	: Training Director
<b>Course Director</b>	: Head of Industrial Safety and Health Department
<b>Course Coordinator</b>	: Md. Humayun Kobir, Deputy Chief Chemist

## ISHD Course Brochure

<b>Course No.</b>	: 45
<b>Course Title</b>	: <b>Industrial Safety &amp; Prevention of Accidents</b>
<b>Course Code</b>	: IS-U301
<b>Duration</b>	: 2 Weeks
<b>Period</b>	: 22 November ~ 03 December, 2020
<b>Nomination deadline</b>	: One week before commencing date
<b>No. of Participants</b>	: 20
<b>Course fee</b>	: Tk. 12,300/- per participant
<b>Designed for</b>	: Junior and mid-level officers of different industries & other establishments.

### **Course Objectives:**

- To improve knowledge about industrial hazards, safety regulations & safety awareness.
- To learn safety in chemical process plant operation including house keeping
- To acquaint the functions of different personal protective equipment
- To develop skills of safe handling of aggressive & toxic chemicals, gas cylinders etc.
- To enhance knowledge about safety-precautions of electrical & mechanical maintenance.
- To increase the skills for rescue the victims & provide first aid.
- To perform their jobs with more safety considerations for themselves and their community.
- To disseminate safety awareness among their colleagues.

### **Course Content:**

Industrial hazards & safety requirements, Safety regulations & safety signs, accident & its prevention, fire & explosion hazards, chemical & acoustic hazards, electrical hazards & safety precautions, Personal protective equipment, housekeeping and its importance, safe handling of gas cylinders, safety measures associated with confined space etc. along with practical sessions related to safety, Fire alarm system, various types of up-to-date safety equipment & Personal protective equipment and rescue operation.

### **Training Methodology:**

- Class-room lecture (Multimedia projector, Overhead projector etc.)
- Practical & Demonstration class
- Group Discussion
- Report preparation and presentation
- Case study

### **Evaluation system:**

Attendance, Class participation & Overall performance

<b>Course Advisor</b>	: Executive Director
<b>Course Co-Advisor</b>	: Training Director
<b>Course Director</b>	: Head of Industrial Safety and Health Department

**Course Coordinator** : Md. Saif Uddin, Chemist