

**Midland College**  
**Syllabus**  
**OSHT 1301**  
**Fundamentals of Safety and Health**

- Course Description:** An introduction to the basic concepts of safety and health.
- Learning Objectives:** Demonstrate the overall intent and proper safety procedures in a variety of different industry settings.
- Required Materials/Information:** This is an on-line class and as a student you will need the following:
1. Computer with internet connection
  2. Current active e-mail account
  3.
    - This may be a Midland College e-mail account or your personal e-mail account.
    - Midland College e-mail accounts are free of charge and given upon registration. See the Midland College Web page for details on how to use.
  4. Textbooks are not required. All material for this course can be found on-line.
  5. Students are required to attend the mandatory classes. The instructor will notify all students as to the date(s) that the class is scheduled. Please note that anyone unable to attend the mandatory classes must make arrangements.
- Lessons – Course Information:** This is an introductory course designed to provide the student with the basic safety elements that are applicable to almost any industry. As an introductory course, the information presented is general in nature and does not introduce the student to finite details in every chapter. The material presented in this course is provided from several different sources. The Occupational Safety & Health Administration (OSHA) has provided a considerable amount of information on material presented in every chapter of the online text. Public domain material is included in the websites used for this course. Due to the various sources of information contributed, the required chapters may not be uniform as to presentation styles and/or substance.
- Course Written Assignments & Exams:** This course is divided into four (4) different sections. Each section will have an exam and a written assignment required. There are (4) exams and four (4) written assignments required for this course. The sections and chapters assigned to each section are listed below:
- Section 1: Chapters 1-5      Exam 1 and Written Assignment 1
  - Section 2: Chapters 6-8      Exam 2 and Written Assignment 2
  - Section 3: Chapters 9-11      Exam 3 and Written Assignment 3

- Section 4: Chapters 12-14 Exam 4 and Written Assignment 4

**Evaluation of Students:**

Each assignment carries the same weight (12.5%).

90 and above	A
80-89	B
70-79	C
60-69	D
59 and below	F

**Course Overview:**

Safety and health programs help employers comply with government regulations while protecting employees from job-related injuries and illnesses. Increasingly, employers are realizing that a good safety and health program provides other benefits. It can save money, improve productivity and efficiency, and bolster the organization’s reputation in area where it does business. Safety saves employers by reducing:

- Worker’s compensation claims and premiums
- Time lost from work as a result of accidents and injuries
- Supervisory and management time reporting, investigations and responding to accidents.
- Fines for failing to comply with OSHA and other safety regulations.
- Legal costs resulting from spills, fires, and other accidents.

More and more employers are also discovering that a good safety and health program can make workplaces and workers more productive and efficient. When safety rules are followed, there is less need to:

- Repair, redo, and reorder as a result of accident-related damage to equipment, materials and products.
- Reallocate and retrain workers to fill in for those who experience job-related injuries or illnesses.

Safety training leads to safe workplaces. Training is the key to a safety program’s success. OSHA’s emphasis on safety training and meaningful employee participation in workplace health and safety programs is evident in the agency’s inspection process. OSHA inspectors don’t just check on employer’s safety training documentation, they observe and question employees to determine if they understand and follow safe practices. Weaving safety into every job function is the only practical way to reduce accidents and occupational injuries and illnesses. You can’t have a safe workplace unless all employees know safety rules and precautions, and understand the connection between those rules and precautions with their own jobs, safety and health. If employees are to achieve that level of mastery, safety training must be an ongoing effort.

**Course Goals/Objectives:**

The following list of course goals will be addressed in the course. The goals are directly related to the performance objectives. Upon successful completion of the course the student will gain knowledge in the following areas:

1. Personnel Protective Equipment (PPE)
2. Slips, Trips, and Falls
3. Fall Protection/Ladder Safety
4. Back Safety
5. First Aid

6. Hand and Power Tools
7. Forklift Safety
8. Fire Prevention/Fire Extinguishers
9. Flammable and Combustible Liquids
10. Confined Space Hazards and Entry
11. Lock/Out – Tag/Out (LOTO)
12. Hazardous Communications (HAZCOM)
13. General Electrical Safety
14. General Welding Safety

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## **Americans with Disabilities Act (ADA) Statement:**

Midland College provides services for students with disabilities through Student Services. In order to receive accommodations, students must visit [www.midland.edu/accommodation](http://www.midland.edu/accommodation) and complete the Application for Accommodation Services located under the Apply for Accommodations tab. Services or accommodations are not automatic, each student must apply and be approved to receive them. All documentation submitted will be reviewed and a “Notice of Accommodations” letter will be sent to instructors outlining any reasonable accommodations.

Midland College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following individuals have been designated to handle inquiries regarding the non-discrimination policies: **Tana Baker, Title IX Coordinator/Compliance Officer, 3600 N. Garfield, SSC 242, Midland, TX 79705, (432) 685-4781, [tbaker@midland.edu](mailto:tbaker@midland.edu)**; **Natasha Morgan, Director Human Resources/Payroll, 3600 N. Garfield, PAD 104, Midland, TX 79705, (432) 685-4534, [nmorgan@midland.edu](mailto:nmorgan@midland.edu)**. For further information on notice of non-discrimination, visit <http://wdcrobcolp01.ed.gov/CFAPPS/OCR/contactus.cfm> or call 1 (800) 421-3481.

### **Spanish**

Midland College no discrimina por motivos de raza, color, nacionalidad, sexo, discapacidad, o edad en sus programas o actividades. Las siguientes personas han sido designadas para responder a cualquier pregunta o duda sobre estas políticas no discriminatorias: **Tana Baker, Title IX Coordinator/Compliance Officer, 3600 N. Garfield, SSC 242, Midland, TX 79705, (432) 685-4781, [tbaker@midland.edu](mailto:tbaker@midland.edu)**; **Natasha Morgan, Director Human Resources/Payroll, 3600 N. Garfield, PAD 104, Midland, TX 79705, (432) 685-4534, [nmorgan@midland.edu](mailto:nmorgan@midland.edu)**. Para más información sobre estas políticas no discriminatorias, visite <http://wdcrobcolp01.ed.gov/CFAPPS/OCR/contactus.cfm> o llame al 1 (800) 421-3481.