

## OCCUPATIONAL HEALTH AND SAFETY II

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| <b>1</b>  | Course Title:   | OCCUPATIONAL HEALTH AND SAFETY II   |
| <b>2</b>  | Course Code:  | ISG202  |
| <b>3</b>  | Type of Course:   | Compulsory  |
| <b>4</b>  | Level of Course:  | First Cycle   |
| <b>5</b>  | Year of Study:  | 2   |
| <b>6</b>  | Semester:   | 4   |
| <b>7</b>  | ECTS Credits Allocated:                                 | 2.00  |
| <b>8</b>  | Theoretical (hour/week):                                | 2.00  |
| <b>9</b>  | Practice (hour/week):                                   | 0.00  |
| <b>10</b> | Laboratory (hour/week):                                 | 0   |
| <b>11</b> | Prerequisites:  |   |
| <b>12</b> | Language:   | Turkish   |
| <b>13</b> | Mode of Delivery:                                       | Face to face  |
| <b>14</b> | Course Coordinator:                                     | Prof. Dr. Semiha EREN   |
| <b>15</b> | Course Lecturers:                                       | Prof. Dr. Murat Zencirkıran   |
| <b>16</b> | Contact information of the Course Coordinator:          | semihaeren@uludag.edu.tr<br>Tel. +90.0.224.2755280<br>Adres: Bursa Uludağ Üniversitesi<br>Mühendislik Fakültesi<br>Tekstil Mühendisliği Bölümü<br>16059 Nilüfer Bursa, Türkiye.   |
| <b>17</b> | Website:  |   |
| <b>18</b> | Objective of the Course:                                | The general objective in this course is to give knowledge about the basic principles, laws and regulations, legal responsibilities and practical applications of occupational safety and health of workers in textile industry.   |
| <b>19</b> | Contribution of the Course to Professional Development: | <ol style="list-style-type: none"> <li>1. Define and explain the basic principles, concepts and approaches of occupational safety and health in the textile industry.</li> <li>2 Can explain the legal responsibilities of the employee, employer and the state regarding occupational safety and health.</li> <li>3 Can make risk analysis and take necessary precautions in the workplace.</li> <li>4 Can provide job security .;</li> <li>5 Can know what to do when work accident occurs .;</li> <li>6 Can learn the effect of occupational safety on efficiency and productivity.</li> </ol> |
| <b>20</b> | Learning Outcomes:                                      |   |
|           | <b>1</b>  | The student will be able to define and explain the basic principles, approaches, and concepts occupational safety and health of workers in textile industry.  |
|           | <b>2</b>  | The student will be able to explain the legal responsibilities of government, employers, and employee about occupational safety and health of workers.  |
|           | <b>3</b>  | The student will be able to make the risk analysis of workplaces and to take the necessary measures and precautions in workplace.   |
|           | <b>4</b>  | The student will be able to provide occupational safety and health of workers in textile industry.  |
|           | <b>5</b>  | The student will be able to know what they have to do, when work injury occurs.   |
|           | <b>6</b>  | The student will be able to learn the effect of occupational safety on efficiency and productivity.   |

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| <b>21</b>  | Course Content:  |  |
|  | <b>Course Content:</b>   |  |
| <b>Week</b>  | <b>Theoretical</b>   | <b>Practice</b>  |
| <b>1</b>   | General Principles of Occupational Health and Safety                             |  |
| <b>2</b>   | OSH Working Conditions, Problems and Solution Suggestions in the Textile Sector. |  |
| <b>3</b>   | Conservation and Protection Policies.  |  |
| <b>4</b>   | Workplace Safety and Protection for the Prevention of Work Accidents.            |  |
| <b>5</b>   | Protection of Occupational Health and Safety Right.                              |  |
| <b>6</b>   | Personal Protective Equipments.  |  |
| <b>7</b>   | Security Accident Instant.   |  |
| <b>8</b>   | Regulation on Health and Safety Precautions in Working with Chemical Substances. |  |
| <b>9</b>   | Reasons for Job Accidents.   |  |
| <b>10</b>  | Occurrence Theories of Work Accidents.   |  |
| <b>11</b>  | Accident Encountering Approaches.  |  |
| <b>12</b>  | Measurement of Job Accidents.  |  |
| <b>13</b>  | Employer Cost of Work Accidents.   |  |
| <b>14</b>  | Signs and Plates.  |  |
| <b>22</b>  | Textbooks, References and/or Other Materials:                                    | <p>1. Semiha EREN, Ders Notları.</p> <p>2. Yiğit, A., İş Güvenliği ve İşçi Sağlığı, Aktüel Yayınları, İstanbul 2005.</p> <p>3 Özkılıç Ö., "İş Sağlığı ve Güvenliği, Yönetim Sistemleri ve Risk Değerlendirme Metodolojileri", Türkiye İşveren Sendikaları Konfederasyonu Yayın No: 246, 2005.</p> <p>4. Tunçomağ, K. ve Tankut C., İş Hukukunun Esasları, Beta Basım, İstanbul 2003.</p> <p>5. Avcı, A., İş Yerlerinde İşçi Sağlığı ve İş Güvenliği Mevzuatı, Alfa Yayınları, İstanbul 2003.</p> <p>6. Erkan N., "İşletmelerde İnsan Gücü Verimliliği İçin İşçi Sağlığı, İş Güvenliği, Kazalardan Korunma, Acil Yardım ve İlgili Mevzuat", Milli Prodüktivite Merkezi yayınları:384, 1989.</p> |
| <b>23</b>  | Assesment  |  |
| <b>TERM LEARNING ACTIVITIES</b>                                  |  |  |
|  | <b>NUMBE R</b>   | <b>WEIGHT</b>  |
| Midterm Exam   | 1  | 40.00  |
| Quiz   | 0  | 0.00   |
| Home work-project  | 0  | 0.00   |
| Final Exam   | 1  | 60.00  |
| Total  | 2  | 100.00   |
| Contribution of Term (Year) Learning Activities to Success Grade |  | 40.00  |
| Contribution of Final Exam to Success Grade                      |  | 60.00  |
| Total  |  | 100.00   |

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| Measurement and Evaluation Techniques Used in the Course | multiple choice test |
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| <b>24</b> | <b>ECTS / WORK LOAD TABLE</b> |
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| Activites                  | Number | Duration (hour) | Total Work Load (hour) |
|----------------------------|--------|-----------------|------------------------|
| Theoretical                | 14     | 2.00            | 28.00                  |
| Practicals/Labs            | 0      | 0.00            | 0.00                   |
| Self study and preperation | 14     | 1.00            | 14.00                  |
| Homeworks                  | 0      | 0.00            | 0.00                   |
| Projects                   | 0      | 0.00            | 0.00                   |
| Field Studies              | 0      | 0.00            | 0.00                   |
| Midterm exams              | 1      | 9.00            | 9.00                   |
| Others                     | 0      | 0.00            | 0.00                   |
| Final Exams                | 1      | 9.00            | 9.00                   |
| Total Work Load            |        |                 | 60.00                  |
| Total work load/ 30 hr     |        |                 | 2.00                   |
| ECTS Credit of the Course  |        |                 | 2.00                   |

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| <b>25</b> | <b>CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS</b> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|     | PQ1 | PQ2 | PQ3 | PQ4 | PQ5 | PQ6 | PQ7 | PQ8 | PQ9 | PQ10 | PQ11 | PQ12 | PQ13 | PQ14 | PQ15 | PQ16 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
| ÖK1 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 3    | 3    | 3    | 0    | 0    | 4    |
| ÖK2 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 3    | 3    | 3    | 0    | 2    | 3    |
| ÖK3 | 2   | 4   | 3   | 3   | 3   | 3   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 3    | 0    | 4    |
| ÖK4 | 0   | 3   | 3   | 3   | 0   | 0   | 3   | 2   | 0   | 2    | 2    | 0    | 0    | 3    | 2    | 4    |
| ÖK5 | 0   | 3   | 3   | 0   | 3   | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 2    | 0    | 4    |
| ÖK6 | 2   | 4   | 0   | 0   | 3   | 3   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 3    | 3    | 4    |

**LO: Learning Objectives PQ: Program Qualifications**

|                            |                   |              |                 |               |                    |
|----------------------------|-------------------|--------------|-----------------|---------------|--------------------|
| <b>Contribution Level:</b> | <b>1 very low</b> | <b>2 low</b> | <b>3 Medium</b> | <b>4 High</b> | <b>5 Very High</b> |
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