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| **Suggested Form No. (2) Course Descriptiona** |

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| **Faculty** | **Princess Aisha Bint Al-Hussein College for nursing and health sciences** | | | | |
| **Department** | **Nursing** | | | **Level in Framework** | 7 |
| **Course Name** | **Occupational health and safety** | **Number** | **0901424** | **Prerequisite** | 0901458 |
| **Credit Hours** | **3** | **Theoretical** |  | **Practical** | **-** |
| **Course Coordinator** |  | **Email** |  | | |
| **Teachers Educators** |  | **Emails** |  | | |
| **Lecture Time** |  | **Place** |  | **Attendance Type** |  |
| **Semester** |  | **Preparation Date** | **10/12/2024** | **Modification Date** | 22/1/2025 |

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| Abridged Course Description |
| This course introduces the foundational concepts and key aspects of occupational health and safety (OHS). It focuses on the science of identifying, evaluating, and managing workplace hazards to safeguard workers' health and well-being while addressing potential impacts on surrounding communities and the environment.  Students will learn general OHS principles applicable across various industries, including hazard identification and control measures. The course emphasizes occupational health and safety in diverse workplaces, highlighting common physical, biological, chemical, ergonomic, and psychological hazards. Additionally, students will explore risk assessment techniques, hazard management strategies, and the role of OHS in promoting safer and more productive work environments. |
| Course Objectives |
| 1. Describe the significance of OHS in protecting worker health and well-being and its impact on communities and the environment. 2. Identify common physical, biological, chemical, ergonomic, and psychological hazards in the workplace. 3. Discuss the unique hazards associated with different industries, with a particular focus on the healthcare sector. 4. Understand the processes involved in risk assessment and hazard evaluation. 5. Understand the importance of planning, implementation, monitoring, and evaluation in OHS programs. 6. Reflect on the role of OHS in promoting safer work environments, enhancing worker productivity, and improving overall workplace culture. |

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| **CILOs (Learning Outcomes)** |
| **Knowledge** |
| **a1.** Define key concepts and terminology related to occupational health and safety (OHS).  **a2.** Describe the fundamental principles and theories underlying occupational health and safety practices.  **a3.** Identify common workplace hazards, including physical, biological, chemical, ergonomic, and psychological risks.  **a4.** Discuss the OHS management systems and the role of related agencies. |
| **Skills** |
| **b1.** Propose effective interventions based on hierarchy of control principles (e.g., engineering controls, administrative controls.  **b2.** Demonstrate the ability to analyze and apply the role of nurses in occupational health and safety. |
| **Competences** |
| **c1.** Apply evidence-based practices, ethical principles, and interdisciplinary strategies to implement effective controls for occupational health and safety., |
| **Teaching & Learning Methods** |
| 1. Lectures based learning 2. Class discussion 3. Case based learning |
| **Assessment Tools** |
| **1** Quizzes and exercises  **2**.Written examinations  **3**. Oral presentation |

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| **Course Content** | | | | | |
| **Week** | **Hours** | **Outcomes** | **Subjects** | **Teaching & Learning Methods** | **Assessment Tools** |
| **1** | 3 | a 1, a 2 | •Course overview, objectives, framework  -Introduction:  definitions of OHS-related concepts- health, - work, safety and occupational health | * Lecture based learning * Class discussion * Case based learning | Quizzes and exercises |
| **2** | 3 | a 1, a 2 | * Scope and nature * -History of Occupational Health, and safety * Field of Occupational and Environmental specialty | -Lecture based learning  -Class discussion  -Case based learning | Quizzes and exercises  -Written examinations |
| **3** | 3 | a 1, a 2 | * Work and health * Basic Principles of Disease Prevention * Occupational health team * Occupational health nursing | Lecture based learning  Class discussion  Case based learning | Quizzes and exercises  -Written examinations |
| **4** | 3 | a 1, a2, a3, a4, b1, b2 | * principles of occupational health and safety * rights and duties | Lecture based learning  Class discussion  Case based learning | Quizzes and exercises  -Written examinations |
| **5** | 3 | a 1, a2, a3, a4, b1, b2 | -Work and health  -Basic Principles of Disease Prevention  -Occupational health team  -Occupational health nursing | Lecture based learning  Class discussion  Case based learning | Quizzes and exercises  -Written examinations |
| **6** | 3 | a 1, a2, a3, a4, b1, b2 | * principles of occupational health and safety * rights and duties | Lecture based learning  Class discussion  Case based learning | Quizzes and exercises  -Written examinations |
| **7** | 3 | a 1, a2, a3, a4, b1, b2 | **-**Occupational health and safety management | Lecture based learning  Class discussion  Case based learning | Quizzes and exercises  -Written examinations |
| **8** | 3 | a 1, a2, a3, a4, b1, b2, c1 | -Risk assessment in OHS  -Surveillance of workers’ health | Lecture based learning  Class discussion  Case based learning | Quizzes and exercises |
| **9+10** | 6 | a 1, a2, a3, a4, b1, b2 | -Physical/Energy Hazards (mechanical, noise, radiation, temperature, light, structures, electrical, fire, explosion) | Lecture based learning  Class discussion  Case based learning | Quizzes and exercises  -Written examinations |
| **11** | 3 | a 1, a2, a3, a4, b1, b2 | -Chemical Hazards (vapors, mists, solids, fumes, aerosols…) | Lecture based learning  Class discussion  Case based learning | Quizzes and exercises  -Written examinations |
| **12** | 3 | a 1, a2, a3, a4, b1, b2 | -Biological Hazards (fungi, molds, virus, bacteria, animals….) | Lecture based learning  Class discussion  Case based learning | Quizzes and exercises  -Written examinations |
| **13** | 3 | a 1, a2, a3, a4, b1, b2 | - Psychosocial hazards | Lecture based learning  Class discussion  Case based learning | Quizzes and exercises  -Written examinations |
| **14** | 3 | a 1, a2, a3, a4, b1, b2 | - Work Place & Ergonomic Factors | Lecture based learning  Class discussion  Case based learning | Quizzes and exercises  -Written examinations |
| **15** | 6 | a 1, a2, a3, a4, b1, b2, c1 | Seminars | Lecture based learning  Class discussion  Case based learning | Oral presentation |
| **16** | 1.5 |  | Final exam | - | Written examination |

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| **Constituents Components** | |
| Benjamin O. ALLI (2008) Fundamental Principles Of  Occupational Health and Safety, 2nd ed. International Labour Office • Geneva | **Textbook** |
| European Commission (2011). Occupational health and safety risks in the healthcare sector: Guide to prevention and good practice. Luxembourg: Luxembourg.. | **References** |
|  | **Recommended for reading** |
| -AHU electronic library: <https://ahulibrary-coe.app.deepknowledge.io/>  -Occupational safety and health: <https://en.wikipedia.org/wiki/Occupational_safety_and_health>  -National Institute for Occupational Safety and Health (NIOSH) – [www.cdc.gov/niosh/](https://www.cdc.gov/niosh/): Research-based safety recommendations, hazard prevention, and training resources.  -World Health Organization (WHO) – Occupational Health – [www.who.int/health-topics/occupational-health](https://www.who.int/health-topics/occupational-health) | **Electronic material** |
| -British safety council : <https://www.britsafe.org/training-and-learning/informational-resources/what-is-occupational-health-and-safety> | **Other sites** |

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| **Course Assessment Plan** | | | | | | | | | |
| **Assessment tools** | | **Grade** | **Outcomes** | | | | | | |
|  | | a1. | a2. | a3. | a4. | b1. | b2. | c1. |
| First examination (Mid) | |  | 4 | 4 | 5 | 5 | 4 | 4 | 4 |
| Second examination (If any) | | ---- | | | | | | | |
| Final examination | | 50 | 6 | 6 | 8 | 8 | 8 | 7 | 7 |
| Semester works | |  |  |  |  |  |  |  |  |
| **Semester Work Assessment** | Written assignment |  |  |  |  |  |  |  |  |
| oral presentation | 10 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| Quizzes | 10 | 2 | 3 | 2 | 3 |  |  |  |
| Group working |  |  |  |  |  |  |  |  |
| Total | 100 | 13 | 14 | 16 | 17 | 14 | 13 | 13 |
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