



Course Specification

— (Bachelor)

Course Title: OCCUPATIONAL HEALTH

Course Code: INE-5362-2

Program: Bachelor in Industrial Engineering

Department: Industrial Engineering

College: College of Engineering

Institution: King Khalid University

Version 2

Last Revision Date: 25/03/2025.



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A. General information about the course:

1. Course Identification

1. Credit hours: (.....3...)					
2. Course type					
A.	<input type="checkbox"/> University	<input type="checkbox"/> College	Department	<input type="checkbox"/> Track	<input type="checkbox"/> Others
B.	<input type="checkbox"/> Required		X <input type="checkbox"/> Elective		
3. Level/year at which this course is offered: ((Ninth Level/ 5th Year					
4. Course general Description:					
<p>This course provides an overview of the important issues in Occupational Health. The challenge of providing healthy workplaces in a context of a market economy and global competition that produces pressure for low-cost production. Students will consider major types of workplace health problems; review existing public policy in the area, and learn how to conduct a workplace audit. They also consider how employers, unions, and public policy might improve health outcomes. Issues are addressed using multiple disciplines (sociology; history; industrial hygiene; and employment relations).</p>					
5. Pre-requirements for this course (if any):					
NIL					
6. Co-requisites for this course (if any):					
NIL					
7. Course Main Objective(s):					
CLO 1 Identify basic Occupational Health & Safety in work place.					
CLO 2 Demonstrate the need of health insurance & safety analysis					
CLO 3 Conduct the health concern communication					
CLO 4 Identify work place violence and prevention at working places					
CLO 5 Evaluate the role of Occupational ergonomics					
CLO 6 Analyze work place safety & noise exposure					
CLO 7 Demonstrate the knowledge of Occupational epidemiology					



2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	✓	80-%
2	E-learning		
3	Hybrid <ul style="list-style-type: none"> • Traditional classroom • E-learning 	✓	20%
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	30
2.	Laboratory/Studio	15
3.	Field	NIL
4.	Tutorial	NIL
5.	Others (specify)	NIL
Total		45

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1	Identify basic Occupational Health & Safety in work place.	K1	Traditional teaching method using board	Designated questions from the mid-term and final exam, quizzes
1.2	Demonstrate the need of health	K2	Traditional teaching method	Home works, quizzes





Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
	insurance & safety analysis		using board	
...	Analyze work place safety & noise exposure	K3	Traditional teaching method using board	mid-term and final exam,
2.0	Skills			
2.1	Identify work place violence and prevention at working places	S1	Traditional teaching method using board	Surprise tests to know the level of student for further proactive solution like special hours for the weak students
2.2	Evaluate the role of Occupational ergonomics	S4, S5	Traditional teaching method using board	Designated questions from EXAM
...				
3.0	Values, autonomy, and responsibility			
3.1	Conduct the health concern communication	V1	Traditional teaching method using board	Surprise tests, quizzes
3.2	Demonstrate Ethics, Legal issues, Product safety	V3	Traditional teaching method using board	Surprise tests, quizzes
...				

C. Course Content

No	List of Topics	Contact Hours
1.	Basics of occupational health & OSH in workplace	6
2.	Principles of Health insurance	6
3.	How to Conduct a Health safety Analysis	3
---	Health Concerns Communication safety	6
	Workplace Violence prevention at Working places	6





Occupational Ergonomics	6
Occupational work place safety exposure	3
Workplace noise exposure & prevention	6
Occupational epidemiology	3
Total	45

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	E-learning based activities (On-line Quizzes, Assignments)	Every Week	25%
2.	Mid Exam- I	5 TH week	15%
3.	Mid Exam- II	10 th week	15%
4.	Discussions / Attendance / Participation	All week	05%
...	Final Exam	15 th week	40%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Fundamentals of Occupational Safety and Health, Friend,M.A. and Kohn,J.P.,BernanPress; 7 th ed., 2018,ISBN-13: 978-1598889826,ISBN-10: 1598889826
Supportive References	Occupational Health Psychology, Schonfeld,I.S.and Chang, Chu-H.,Springer PublishingCompany; 1st edition,2017, ISBN-13: 978-0826199676, ISBN-10: 0826199674
Electronic Materials	Occupational health journals
Other Learning Materials	

2. Required Facilities and equipment

Items	Resources
<p>facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)</p>	<ul style="list-style-type: none"> Lecture room Backboard facility for sharing lecture notes, submission of assignments, and attempting quizzes. <p>Details of recommended group profiles in the teacher manual</p>



Items	Resources
Technology equipment (projector, smart board, software)	Every student requires access to a personal computer and the Internet. On-site University access is provided through the University Central Library.
Other equipment (depending on the nature of the specialty)	Present Planned Resources takes care of the subject's needs.

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Students	Course Evaluation Survey (CES)
Effectiveness of students assessment	Students	Blackboard feedback
Quality of learning resources	Students	Course Evaluation Survey (CES)
The extent to which CLOs have been achieved	Course Evaluation Committee (CEC)	In-Situ Evaluation
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

G. Specification Approval

REVIEWED BY CURRICULUM COMMITTEE	REVIEWED BY CURRICULUM COMMITTEE APPROVED BY QUALITY COMMITTEE
REFERENCE NO.	9-6-47
DATE	25/06/1447

