	Ministry of Higher Education and Scientific Research - Iraq Al-Nahrain University College of Science Applied Pathological Analysis Department	

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information معلومات المادة الدراسية					
Module Title	Occupational Safety			**Module Delivery**	
Module Type	Core			☒ **Theory** ☒ **Lecture** ☐ **Lab** ☒ **Tutorial** ☐ **Practical** ☒ **Seminar**	
Module Code	CREQ1207				
ECTS Credits	4				
SWL (hr/sem)	100				
Module Level		1	**Semester of Delivery**		2
Administering Department		Applied pathological analysis	**College**	College of Science	
Module Leader	Assistant Prof. Sarah A. Mahdi		**e-mail**	Sara.abdalqder@nahrainuniv.edu.iq	
Module Leader's Acad. Title		Assistant professor	**Module Leader's Qualification**		M.Sc..
Module Tutor	MSc. Ibrahim Abdul Kareem		**e-mail**	ibrahim.bdulkareem@nahrainuniv.edu.iq	
Peer Reviewer Name		Sarah A. Mahdi	**e-mail**	Sara.abdalqder@nahrainuniv.edu.iq	
Scientific Committee Approval Date		24/02/2024	**Version Number**		1.0

Relation with other Modules

العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	**Semester**	
Co-requisites module	None	**Semester**	

Module Aims, Learning Outcomes and Indicative Contents أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Aims أهداف المادة الدراسية	Introduce students to all basic concepts related to occupational safety in laboratories and factories
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1 - Introducing students to all the basic concepts related to occupational safety 2. Increase awareness and education of students in all matters of occupational safety 3 - Occupational safety in industrial units. 4-Teach the student to take all safety measures in laboratories 5 - Develop the student's skills to conduct on-site assessment of laboratories and factories 6 - Teaching the student how to identify the risks of working in factories and how to overcome them
Indicative Contents المحتويات الإرشادية	Introduction Safety…... Meanings
	Safety...Glossary of Terms
	Safety...Glossary of Terms, Toxicological Chemistry
	Toxicological chemistry, Fire or burning
	Fire or Burning
	Hazard and Risk
	Hazard and Risk, Chemical Information data
	Mid. course exam/1
	Chemical Information data, Laboratory Safety
	Laboratory Safety
	Managing Chemicals
	Working with Laboratory Equipment, Working with Chemicals

	Managing Chemical Waste
	Safety & Health in Chemical Industries
	Safety & Health in Chemical Industries

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	To develop the student's knowledge of safety matters 1- It is possible for the student to teach others about safety matters 2 - ways to reduce accidents 3- Study the causes of accidents

Student Workload (SWL) الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	65	**Structured SWL (h/w)** الحمل الدراسي المنتظم للطالب أسبوعيا	3
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	35	**Unstructured SWL (h/w)** الحمل الدراسي غير المنتظم للطالب أسبوعيا	3.5
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	100		

Module Evaluation
تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	**Quizzes**	2	10% (10)	5, 10	LO #1, 2, 10 and 11
	Assignments	2	10% (10)	2, 12	LO # 3, 4, 6 and 7
	Projects	1	10% (10)	Continuous	
	Report	1	10% (10)	13	LO # 5, 8 and 10
Summative assessment	**Midterm Exam**	2 hr	10% (10)	7	LO # 1-7
	Final Exam	2hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered
Week 1-2	Introduction Safety….. Meanings Safety...Glossary of Terms,Toxicological chemistry
Week 3-5	Toxicological chemistry, Fire or Burning Hazard and Risk
Week 6-8	Hazard and Risk, Chemical Information data Mid. course exam/1 Chemical Information data, Laboratory Safety
Week 9-12	Laboratory Safety Managing Chemicals Working with Laboratory Equipment, Working with Chemicals
Week 13-15	Managing Chemical Waste Safety & Health in Chemical Industries
Week 16	**Preparatory week before the final Exam**

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	**Available in the Library?**
Required Texts	Lisa Moran and Tina Masciangioli....'Chemical Laboratory Safety and Security	No
Recommended Texts	Nicholas P. Cheremisinoff "Handbook of Hazardous Chemical Properties"	No
Websites	• http://www.acs.org/content/acs/en.html	

Appendix

Grading Scheme مخطط الدرجات				
Group	**Grade**	التقدير	**Marks (%)**	**Definition**
Success Group (50 - 100)	**A** - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	**FX** – Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.