

UNR2604 Safety and Risk Assessment**COURSE INFORMATION**

Prerequisites	Academic Year & Level		Teaching Methods			Credit Hrs.
	Year	Semester	Lecture	Tutorial	Laboratory	
None	1	1	2	0	0	2

COURSE AIM

- Create awareness among the future employees (Students).
- An understanding of key practical risk assessment techniques.
- The ability to identify hazards and evaluate risk.
- Get to know how to implement monitoring and when and how to perform the review process.
- To be able to apply all these techniques in almost any environment or activity.
- By the end of the course students will be performing the risk assessments with confidence meaning they will leave with the ability to carry out the risk assessments at their workplace without assistance. By attending the risk assessment course, the students will be in a position to protect their staff and their business, as well as complying with the law.

COURSE WEEKLY CONTENTS

- 1 Introduction to Safety Risk Assessment.
- 2 The type of risk assessment in workplace.
- 3 Identifying and Defining Varying Levels and Types of Risk.
- 4 Hazardous Activities Can Include Issues (Specific Hazards).
- 5 Complexity of Work.
- 6 Age of Equipment and Preventative Maintenance Programs.
- 7 Specific Federal, State, and Local Regulations for Business Activities.
- 8 Determine Potential Risk in a Work Environment.
- 9 Risk Analysis.
- 10 Risk Matrix Template.
- 11 Risk Evaluation.
- 12 Risk Communication.
- 13 Risk Plan off The Ground.
- 14 Risk Management.
- 15 Documentation for Risk Assessment and Management.

STUDENT GRADING & ASSESSMENT

Weeks	Exams	Assign.	Quizzes	Reports	Present.	Lab.	Total
1 to 7	←		30	MARKS		→	30
8 to 12	←		20	MARKS		→	20
1 to 15	←		10	MARKS		→	10
16 or 17	40	Final					40

REFERENCES

- Textbook** • Nicholas J. Bahr” System Safety Engineering and Risk Assessment”, A Practical Approach, Second Edition, CRC Press.