Course Description Form

Basic Course Specifications					
Course Title	:	**Offshore Risk Assessment**			
Course Code	:	**OS 411**			
Program on which the course is given	:	❒ **Bachelor**	❒ **Diploma**	☐ **Master**	☐**Pre- PhD**
Academic year	:	**2015/2016**			
Specialization (units of study)	:	Theoretical (64. hrs) Simulator (.0. hrs) Practical (..0 hrs) Credit (2H)			
Pre-Requisites	:	None			

Overall Course Objectives

Students successfully completing this course will be able to know the practical skills necessary to perform regular risk assessments for their organizations, learn step by step how to perform a risk assessment and know the elements of risk assessment and the data necessary for performing an effective risk assessment..

Intended Learning Outcomes

Knowledge and Understanding

At the end of the course, students should be able to:

A1 Understand principles of Hazard.
A2 Describe types of hazard.
A3Describe risk assessment.
A4 Understand Principles of Risk Evaluation
A5 Describe Qualitative Assessment and Quantitative Assessment.
A6 Identify IMO Formal Safety Assessment.

Intellectual Skills

At the end of the course, students should be able to:

B1 How to perform risk assessment and avoided.
B2 How to conducting different risk assessment.
B3 Application conducting risks to assess various Offshore operations
B4 How to Reduce the Risk

Professional and Practical skills

At the end of the course, students should be able to:

C1 Analysis Output From Risk Assessment
C2 Identify Methods of Risk Reductions.
C3 Applications on Offshore Operations.

General and Transferable skills

At the end of the course, students should be able to:

D1 Investigate an Incident.
D2 Emergency Preparedness.
D3 Use of Risk Assessment Within The Marine Industry.

Course content					
Lect. #	**Topic**	**Hrs.#**	**Theoretical**	**Practical**	**Simulator**
1	HAZARD IDENTIFICATION	4	4		
2	Risk Assessment	4	4		
3	Cont. Risk Assessment	4	4		
4	Risk Assessment Quantitative Assessment	4	4		
5	Risk Reduction	4	4		
6	Cont. Risk Reduction	4	4		
7	7th Week Exam	4	4		
8	Emergency Preparedness	4	4		
9	IMO Formal Safety Assessment	4	4		
10	Applications on Offshore Operations	4	4		
11	Cont. Applications on Offshore Operations	4	4		
12	12th Week Exam	4	4		
13	Cont. Applications on Offshore Operations	4	4		
14	Evaluation And Driving Force For The Use Of Risk Assessment	4	4		
15	Review	4	4		
16	Final Examination.	4	4		

Teaching & learning methods

Explanation of the lesson contents – discussing and asking questions to interact with students – solving examples and classroom tasks.

Facilities required for Teaching & learning methods

❒ **Projector**	❒ Overhead Slide	❒ **Books**	❒ **Video**	❒ Audio Cassette

Students Assessment Methods

Assessment Schedule

Assessment#1	Week 7
Assessment#1	Week 12
Assessment#1	Week 16

Grading Method

Attendance		
7th Week Examination	❒	**30 Marks**
12th week exam	❒	**20 Marks**
Assignments	❒	**5 Marks**
Projects		
Participation	❒	**2.5 Marks**
Oral Examination	❒	**2.5 Marks**
Final Examination	❒	**40 Marks**
		Total 100%

*Assessment criteria shall meet the standards of the STCW 78 convention "as amended""; and in the light of therelated IMO model courses.

List of References

Course Notes

Description	:	Lecture notes recommended and revised by the course coordinator(s).

Essential Books

Description	:	

Recommended Books

Description	:	

Periodicals and publications

Description	:	

Others (websites, e-books…etc.)

Description	:	Nil