

SMART PARTNERSHIP WITH UTM SPACE

## EXECUTIVE DIPLOMA PROGRAM FOR WORKING ADULTS



### EXECUTIVE DIPLOMA IN PROCESS SAFETY MANAGEMENT (EDPSM)

DIPLOMA WILL BE AWARDED DURING  
UTM CONVOCATION

OPEN FOR REGISTRATION NOW !!  
CLASSES WILL START ON  
FEBRUARY 2014

#### EDPSM Program Modules

- Introduction to Process Safety
- Management Commitment on Process Safety
- Process Hazards
- Process Hazards Analysis (HAZOP, HAZID, FMEA, RCA, BOW-TIE)
- Process Design / SIS
- Emergency Response Planning
- Asset Integrity Management
- Plant Operation & Maintenance Procedure
- Principle of Management
- Incident Management
- Industrial Hygiene
- Quantitative & Qualitative Risk Management
- Environmental Management

#### University Modules

- Writing for Specific Purpose
- Essential Business Communication
- Entrepreneurship and Supervisory Roles
- Leadership and Team Management
- Creative Thinking and Problem Solving
- Project 1 & Project 2

#### Program Advantages:

- Gain Diploma while working in the Oil & Gas Industries
- Gain access to Oil & Gas markets locally & Overseas
- Program is developed according to current needs in Oil and Gas Industries
- Endorsed and accredited by UTM Senate
- Combination of experts from the Oil & Gas Industries and UTM Academicians
- Oil & Gas is a Core Industry in National Economic Transformation (20% from Malaysia's GNP)
- 42,000 job opportunities in Oil & Gas and Energy Industries
- Upgrading and enhancement of networking in the Oil & Gas Industries

#### Requirements:

- SPM with 3 credits and minimum of 3 years working experience.
- Degree and Diploma holder 's without any working experience are invited

#### Payment terms:

- KWSP/HRDF/PTPK / Finance Institution/3x payments (according to terms and conditions)
- Tuition Fees : RM 16,000
- Registration Fee : RM 1,000
- Application Fee : RM 200

#### Course Duration:

- 18 months to 24 months weekend program
- Classes will be conducted on Saturdays and Sundays (3 days per month) at ENIGMA MUTIARA SDN BHD Training Centers. (Kuantan - Pahang, Sitiawan-Perak, Pengerang-Johor, Sipitang-Sabah)

DEVELOP YOUR PROFESSIONAL  
COMPETENCY IN  
PROCESS SAFETY MANAGEMENT

## PROCESS SAFETY OVERVIEW

### 1. What is Process Safety?

a. The Center for Chemical Process Safety (CCPS) defines Process Safety as follows:

It is a blend of engineering and management skills focused on preventing catastrophic accidents, particularly explosions, fires, and toxic releases, associated with the use of chemicals and petroleum products.

b. American Petroleum Institute (API) Ref: API RP 754 defines Process Safety as follows:

It is a disciplined framework for managing the integrity of hazardous operating systems and processes by applying good design principles, engineering and operating and maintenance practices.

### 2. What is this Program all about?

This Program (EDPSM) is specially designed & developed for people working in the Oil/Gas/Petrochemical/Chemical/Energy/Bio-tech industries to enhance their knowledge and skills in the areas of Process Safety management. The candidates will learn the principals of Process Safety on how to design, operate and manage process Plants to avoid Process Plant incidents. Candidates will learn the whole range of Process Hazard Analysis (HAZOP, HAZID, FMEA, RCA, Bow-Tie, etc) Risk Assessment, Asset Integrity and the use of related software.

### 3. What employment opportunities will I have?

- Career advancement for Occupational Safety Practitioners to Process Safety Professionals
- Career advancement for Operations & Maintenance staff to senior levels in the organization.
- Competency in HAZID & HAZOP - Able to perform as a Scribe or Chairman in HAZOP/HAZID Studies
- Employment opportunities in EPC companies in the area of Technical Safety
- Employment opportunities in the Middle East where Process Safety is a pre-requisite for Safety Professionals.

### 4. Is my Diploma recognized?

Yes, this Program is accredited by UTM and is recognized both locally and internationally.



### FOR FURTHER DETAILS PLEASE CONTACT:



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## ABOUT ENIGMA MUTIARA

ENIGMA MUTIARA SDN BHD is a pioneer in providing Health, Safety and Environmental Training, Consultancy and Software solutions, especially, for the Oil, Gas & Petrochemical Industries, locally and abroad. We have a wide range of training products and each can be customised for your specific needs. Be it computer based learning, public training or on-site training, we have the right tools and expertise to make it a success story for you. Apart from the Occupational Safety range of training, we also provide Process Safety training and related services to meet the regulatory and international best practices, e.g. PSM, UK HSE, etc. Some of the Process Safety services that we can provide are facilitating HAZOPs, HAZIDs, identifying Safety Critical Elements through Bow-Tie workshops & Performance Standards development, to name a few. Our proprietary Process Safety Improvement Tool (PROSIM) software contains 13 essential elements which can be used to audit and improve Process Safety efforts of Oil, Gas & Petrochemical plants and energy industry in general. Our Contractor Safety & Security Management System captures Contractors data ranging from training to personal details for managing access, Security and Safety at Construction Sites. We also provide integrated HSE reporting solutions for Organizations which need to centralise HSE data for monthly reporting. We strive to do our best in the areas of HSE and we are continuously driven to provide utmost satisfaction to our esteemed Clients.

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