REGISTRATION FEE

The registration fee includes training materials, morning break, lunch and tea break for four days training.

Payment should be made payable to "Bendahari UniMAP" by bank draft, money order or cash and must reach the secretariat before the event. The rates are as follows:

- **Staff RM 1,500.00 (usual price: RM1,800.00)**
- **Students RM 1,300.00**

Early bird will get 10% off ! Please register before 14 October 2010.

- **Staff RM 1,350.00 (early bird)**
- **Students RM 1,170.00 (early bird)**

Accomodation

Participants are required to arrange their own accommodation. Listed is the suggested accommodation in the vicinity .

1. Putra Palace Hotel
Tel: 04-9769755

2. Hotel Sri Garden
Tel: 04-9773701/3702

3. Putra Brasmana Hotel
Tel: 04-9855900

4. UniMAP Guest House
Tel: 04-9798136

CONSULTANT /TRAINER :

DR PAUL MULLENIX

Principal Consultant SystatS Consulting Sdn Bhd

Dr. Mullenix brings a wide range of experience from over 20 years in the fields of Statistics, Quality and Customer Service. His background spans Engineering, Quality, Manufacturing,Management, Academics and Customer Relations. Both in the U.S. and Malaysia, he has served in large multinational organizations such as Harris Semiconductor,Intersil and ChipPAC as Director of Quality Assurance & Reliability,Director of Customer Service, and Senior Staff Statistician.Dr. Mullenix holds a Ph.D. from the University of Florida In Statistics with research area in Directional Data.He is a member of the American Statistical Association, American Society for Quality and the Scientific Research Society Sigma Xi.

Application

Deadline for early bird registration is **14 October 2010**

The closing date for registration is **25 October 2010**

Application can be made by completing the attached form

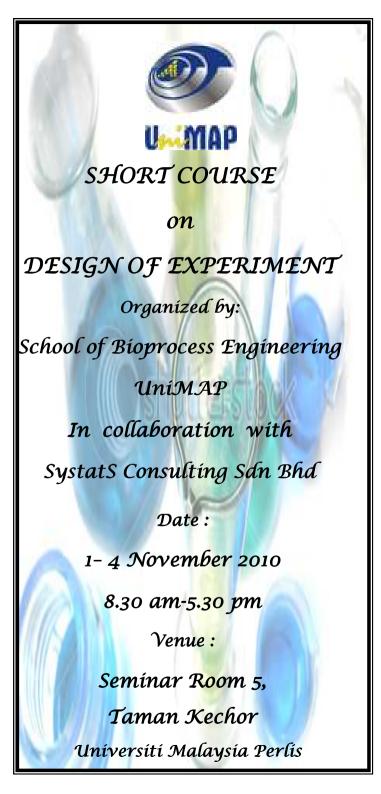**For further information, please contact :**

Short Course on DOE's Secretariat
School of Bioprocess Engineering
Universiti Malaysia Perlis
Kompleks Pusat Pengajian Jejawi 3,
02600 Arau
Phone : 04-9798836/8825/8840/8821
Fax : 04-9798755
Email: mroshidi@unimap.edu.my/
ahmadradi@unimap.edu.my

http://publicweb.unimap.edu.my/~bioproses

UniMAP

SHORT COURSE

on

DESIGN OF EXPERIMENT

Organized by:

School of Bioprocess Engineering

UniMAP

In collaboration with

SystatS Consulting Sdn Bhd

Date :

1– 4 November 2010

8.30 am-5.30 pm

Venue :

Seminar Room 5,

Taman Kechor

Universiti Malaysia Perlis

INTRODUCTION

Design of Experiments is an off-line quality improvement technique that can be employed to dramatically improve industrial products/ processes and provide an analytic framework for fundamental re-search. Through its use, it is possible to isolate the cause and effect linkages between input variables and the resulting output measures of function, quality, cost and per-formance.

This course provides participants with in-depth understanding of the basic principles of experimental de-signs. Example of actual indus-trial practice are emphasized throughout the presentation. Use of games and special simula-tion exercises accelerates the learning process.

WHO SHOULD ATTEND THIS COURSE?

- ■Researchers ■Engineers
- ■Lecturers ■Post graduate students
- ■Statisticians ■Quality Controllers

OBJECTIVES OF SHORT COURSE

✓ To train and equip the participants with appropriate statistical tech-niques to plan, design, analyze and interpret experiments.

✓ To identify and characterize key product and process parameter for optimization.

✓ To train the participants in using the statistical software DOE in the design and analysis of the experiments

WHY YOU SHOULD ATTEND THIS COURSE???

∴ Offered at a reasonable price

∴ Taught by a very experienced trainer

∴ Certificate given by consultant

∴ Combination of Basic and Advanced DOE within four days of training

∴ Limited number of participants

What are you going to do with all your data?

DESIGN OF EXPERIMENTS COURSE OUTLINE

Day 1 :
- ✓ Introduction to DOE
- ✓ Basic Statistics Review
- ✓ Factorial Experiments

Day 2
- ✓ Factorial Experiments (Continued)
- ✓ 2k-p Fractional Factorials

Day 3
- ✓ 2k-p Fractional Factorials (Continued)
- ✓ Introduction to Response Surface Methodology

Day 4
- ✓ Introduction to Response Surface Methodology (Continued)
- ✓ Multiple Response Optimization
- ✓ Experimental Planning

DON'T MISS OUT THIS GREAT OPPORTUNITY!

Early Bird discount (register before 14 October 2010) will get 10% off.

CLOSING DATE : 25 October 2010

~You can bring your own laptop~