

Application Form

Application Date

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DD MM YYYY

Photograph

Full Name

(To Be Used In The Course Certificate)

Date of Birth

Organization Information

Position / Title:

Organization Name:

Organization Address:

Contact Info (Work)

Tel: _____

Fax: _____

Mobile: _____

Email: _____

Education (Please Mention Highest Qualification Only)

Institution	Years attended	Major field of study	Degree
_____	_____	_____	_____

Amount Received: Rs. _____

Process Integration and Intensification

What is Process Integration and Intensification?

Process integration is a systematic design methodology and addresses the areas relating to energy efficiency, efficient use of raw materials and waste minimization. At present, various simulation techniques have been applied to address the conceptual design stage either designing of a new plant facility or improvements in an existing setup. Knowledge of process integration is essential for better designs that could result in terms of efficiency in the use of energy and efficiency in the use of materials for design output.

Course Contents:

Course will include mathematical modeling, optimization, supply chain management and operations management

Duration: Two Days

Who Should Attend?

Senior Engineering students and graduate engineers who are interested in Process Integration and Intensification

Resource Person:

Dr. Amiq Shafique
E-mail: amir_engr@yahoo.com

Energy Conservation and Sustainability

Why Energy Conservation and Sustainability?

The reliable supply of cheap energy is crucial to an ever increasing proportion of all human activity. In response to evidence of global damage and diminishing reserves of fossil fuels there is an increasing pressure to intelligently managing the provision of energy from conventional sources and to increase the supply from renewable sources. There is a great need to equip the graduates and working professionals to take up the challenges of energy conservation and sustainability. The sustainable energy systems cover energy production, delivery, consumption, efficiency, economics, policy/regulation in the context of energy supply and consumption patterns. In the engineering development, the sustainable energy systems accounts for the renewable sources of energy (hydro, wind and wave) into electricity supply systems.

Course Contents:

Overview and Energy Scenario of Pakistan, Energy Conservation in Industry/Power Sector, Transport Sector and Construction, Introduction to Sustainable energy systems accounting for renewable energy sources such as hydro, wind and wave.

Duration: One Day

Who Should Attend:

B.Sc. (Engg.) Chemical Engineering Students (5th semester and onwards) and fresh Graduate Chemical Engineers

Resource Person:

Dr. Ayyaz Muhammad
E-mail: atozmoon@yahoo.com

Implementation of Quality Management System (ISO 9001:2008) in Process Industries

Introduction:

Process quality is essential for ensuring constant product delivery and customer satisfaction. Quality Management System (ISO 9001:2008) provides opportunity for the industry to implement a management system which focuses on the process quality through quality management. ISO 9001:2008 requires developing policies, manuals, system procedures and various records to ensure compliance. Understanding these requirements specific to process industries is very important for effective implementation of this management system. Course is designed to provide understanding of quality, standards, quality management and interpretation of the standard requirements in relation to process industries.

Duration: Two Days

Who Should Attend?

Engineers, Managers, Management Representatives, and QC / QA Engineers, Quality Engineers / Managers may benefit from this course.

Resource Person:

Engr. Bilal haider
E-mail: engrbilalhaider@yahoo.com

Implementation of ISO 17025 for Quality Assurance in Testing and Research Labs

Introduction:

ISO 17025 is a tool used by modern testing and research labs for implementation of Good Laboratory Practices (GLP) to ensure quality of analytical services. ISO 17025 defines various requirements like Method Validation, Uncertainty of Measurement, Calibration and Proficiency Testing / ILC etc. essential for Quality of analytical services. This course provides opportunity to understand requirements of ISO 17025 for implementation of this standard in Research and Testing labs.

Who should attend?

Researchers, QC Engineers, Management Representatives and Quality Engineers / Managers may benefit from this course.

Course Duration: Two Days

Who Should Attend?

Engineers, Managers, Management Representatives, and QC / QA Engineers, Quality Engineers / Managers may benefit from this course.

Resource Person:

Engr. Bilal haider
E-mail: engrbilalhaider@yahoo.com

PROFESSIONAL DEVELOPMENT WORKSHOPS

Coordinator:
Prof. Dr. Mahmood Saleem
Engr. Abdul Basit



Prof. Dr. Syed Zahoor-ul-Hassan Rizvi
Director

Institute of Chemical Engineering and Technology
University of the Punjab
Lahore - Pakistan.

Chemical Process Simulation Using Chemcad®

What is CHEMCAD?

CHEMCAD is Chemstations' intuitive suite of chemical process simulation software that broadens an engineer's capabilities and increases productivity. CHEMCAD supercharges an engineer's efficiency when facing the toughest chemical process models or addressing day-to-day challenges.

Why CHEMCAD?

CHEMCAD is designed to work for engineers and with engineers. CHEMCAD is designed to work within the engineering environment to improve efficiency and ensure higher productivity in process industries.

Applications of CHEMCAD

Hundreds of applications adaptable to a variety of industries

CHEMCAD applications include:

Research and Development, Project/Process Design, Project/Process Redesign and Optimization, Operations/Maintenance, Safety and Hazard Analysis, Environmental Study and Analysis, Project and Product Sales, Education

Industries that use CHEMCAD include:

Exploration and Production, Refining, Commodity Chemicals, Fine and Specialty Chemicals,

Pharmaceuticals, Custom and Toll Manufacturing, Engineering and Construction, Consulting, Process Equipment Manufacturing, Academic University Programs

Course Name	Course Code	Duration	Who Should Attend?
Steady State Process Simulation (basic)	CCAD01	One Day	Senior Engineering students and graduate engineers who are interested in Process Simulation
Heat Exchanger Design & Rating	CCAD02	One Day	Senior Engineering students and graduate engineers who have attended CCAD01
Distillation Column Design	CCAD03	One Day	Senior Engineering students and graduate engineers who have attended CCAD01
Reactor Design	CCAD04	One Day	Senior Engineering students and graduate engineers who have attended CCAD01
Dynamic (Unsteady-State) Process Simulation	CCAD05	Two Days	Senior Engineering students and graduate engineers who have attended CCAD01-04

Who Should Attend?

Senior Engineering students and graduate engineers who are interested in Process Simulation

Resource Persons:

Prof. Engr.Dr. Mahmood Saleem

E-mail: mahmood0saleem@gmail.com

Engr. Abdul Basit

MatLab® for Engineers and Scientists Course Code: MLAB01

Introduction:

Matlab has widely been used worldwide by Engineering and Science students and practitioners for scientific computing. This course will provide basic understanding of matlab for scientific computing.

Duration: One Day

Who Should Attend?

Engineering and Science students and graduate Engineers/Scientists interested in learning Matlab for enhancing their computational skills.

Resource Persons:

Prof. Engr.Dr. Mahmood Saleem

E-mail: mahmood0saleem@gmail.com

Engr. Abdul Basit

Applied Numerical Methods for Engineers and Scientists using MatLab® Course Code: MLAB02

Introduction:

This is an introduction of implementing numerical methods in matlab like polynomial curve fitting, interpolation, Polynomial evaluation, Arithmetic operations with Polynomials, Numerical Integration, Solving ODE's.

Duration: One Day

Who Should Attend?

Engineering and Science students and graduate engineers/scientists interested in learning Matlab for enhancing their computational skills. The interested participants should have attended the course **MLAB01**

Resource Persons:

Prof. Engr.Dr. Mahmood Saleem

E-mail: mahmood0saleem@gmail.com

Engr. Abdul Basit

Hazards and Operability (HAZOP) Study Course Code: HAZOP01

HAZOP

A Hazard and Operability (HAZOP) study is a structured and systematic examination of a planned or existing process or operation in order to identify and evaluate problems that may represent risks to personnel or equipment, or prevent efficient operation. The HAZOP technique was initially developed to analyze chemical process systems, but has later been extended to other types of systems and also to complex operations and to software systems. A HAZOP is a qualitative technique based on guide-words and is carried out by a multi-disciplinary team (HAZOP team) during a set of meetings.

Duration: One Day

Who Should Attend?

Anyone interested in learning HAZOP study technique

Resource Person:

Prof. Engr. Dr. Mahmood Saleem

E-mail: mahmood0saleem@gmail.com

WORKSHOP APPLIED FOR: (Tick whichever applicable)

Process Integration and Intensification

Course Code: PI-1

Date: 28th & 29th July, 2010

Time: 9 a.m. to 1 p.m.

Registration: Regular (Rs.1000/)

Implementation of QMS (ISO9001:2008) in Process Industries

Course Code: S-1

Date: 31st July & 1st August, 2010

Time: 9 a.m. to 1 p.m.

Registration: ICE&T Student (Rs.1000/) Regular (Rs.2000/)

Basic Steady State Simulation using CHEMCAD®

Course Code: CCAD01

Date: 2nd August, 2010

Time: 9 a.m. to 1 p.m.

Registration: ICE&T Student (Rs.500/) Regular (Rs.1000/)

Heat Exchanger Design & Rating using CHEMCAD®

Course Code: CCAD02

Date: 3rd August, 2010

Time: 9 a.m. to 1 p.m.

Registration: ICE&T Student (Rs.500/) Regular (Rs.1000/)

MATLAB® for Scientists and Engineers

Course Code: MLAB01

Date: 4th August, 2010

Time: 9 a.m. to 1 p.m.

Registration: ICE&T Student (Rs.500/) Regular (Rs.1000/)

Applied Numerical Methods for Scientists and Engineers Using MATLAB®

Course Code: MLAB02

Date: 5th August, 2010

Time: 9 a.m. to 1 p.m.

Registration: ICE&T Student (Rs.500/) Regular (Rs.1000/)

Energy Conservation and Sustainability

Course Code: ECS-1

Date: 6th August, 2010

Time: 9 a.m. to 1 p.m.

Registration: ICE&T Student (Rs.300/) Regular (Rs.500/)

Implementation of ISO 17025 for QA in Testing and Research Labs

Course Code: S-2

Date: 7th -8th August, 2010

Time: 9 a.m. to 1 p.m.

Registration: ICE&T Student (Rs.1000/) Regular (Rs.2000/)

HAZOP

COURSE CODE: HAZOP-1

Date: 10th August, 2010

Time: 9 a.m. to 1 p.m.

Registration: ICE&T Student (Rs.500/) Regular (Rs.1000/)