**Chemical Change & Environmental Applications**

**Course Objectives:**

* Understand the thermodynamics and chemical kinetics.
* Understand the chemical reaction mechanisms, particularly in the context of catalysis.
* Understand the aqueous chemistry and its relationship to natural environments, particularly in the context of acid/base equilibria, redox reactions, electrochemical principles and metal.

**Course Outlines:**

* Description of thermodynamic principles, and illustrates these in the production of ammonia, Specific aspects of aqueous chemistry which are relevant to the natural environment, New physicochemical ideas are introduced which help to provide an understanding of factors that influence chemical processes in aqueous systems.

**Who Should Attend?**

* The managers, supervisors, technicians, and operators from petroleum, plastics and fertilizers plant or its associated industry could attend this course.

**Duration:** 5 Days

**For more information:**

Industrial Relations- Special Programs Unit:

Tel.: +966 (013) 340-2011 / (013) 340-2140

Fax : +966 (013) 340-2060

Email: [specialprograms@jic.edu.sa](mailto:specialprograms@jic.edu.sa)