



Short Course Basic Quality Control in Textile Chemistry

Starting from 24th Feb 2016 - 27 April 2016



Introduction

Federal Urdu University of Arts, Science and Technology (FUUAST) has, over the years emerged as an impressive center of highest learning with extremely learned faculty. FUUAST enjoys the unique distinction of being the first ever university in Pakistan, which ultimately aims at using Urdu as the main language of instruction and teaching. The University started functioning in November 2002 by taking over two federal government colleges, namely Federal Urdu Science College and Federal Urdu Arts College, in Karachi, by the President of Pakistan, as per provision of this ordinance the university has its principal seat at Islamabad. It is heartening to note that the FUUAST has come a long way, since its modest beginning in 2002 from a few subjects to full-fledged faculties including those of Basic and Applied Sciences along with Engineering, Business Management, Economics and Humanities.

Federal Urdu University of Arts, Science and Technology, Karachi, has announced of admissions for Year 2011 (Morning) to MS, M.Phil., and M.Phil. leading to Ph.D. in Chemistry (Organic Chemistry, Inorganic Chemistry, Physical Chemistry, Analytical Chemistry) and over than 100 MS./M.Phil./Ph.D. students are working in different fields of Chemistry.

It's a great pleasure that Dept. of Chemistry have been launching a course of the first hand knowledge of textile chemistry this course will help for the job opportunity for students.

Vision

We will recruit the best and most appropriately qualified students and give them a learning and social experience that will benefit them for life.

Mission:

The Chemistry Department is loyal to serving each student achieve his/ her personal academic potential by creating an environment and promotes

- The use of modern educational technology in lecture and laboratory courses.
- The ability to bridge between the instiyute and industry.
- Create real technical entrepreneurship.
- Initiating cottage industry under professional supervision.
- Establishing a plate form for all level of technical field regarding textile job and its respective research.

Textile and Chemistry

Textile is the base of economy of Pakistan, and recently by the efforts of certain sincere and hard core self-worth field/business experts, brought government in to collaboration to modernize and upgrade the textile sector of the country for better quality products and enhanced productivity. The Textile industry of the country in previous decade had suffered a lot owing to the lack of research and utilities which include water, shortage of electricity, but shown its consistent survival even after passing through many ups and downs; the result is the exports of textile and textile

products of Pakistan have shown a significant increase in the recent years. The Government has offered various incentives for the industry's up gradation and modernization to the local and International Market to well acquaint Pakistan to be recognized, with an increasing demand for compliance with ISO and other International quality certifications and standards. Major International countries competing in this field other than Pakistan are Belgium, China, France, Germany, Hong Kong, Italy, Indonesia, India, Japan, Korea, Malaysia, Thailand, Turkey, Sweden, Spain, Singapore, Switzerland, Ukraine, United Kingdom and United States of America.

We can upgrade the machine and process by importing latest technology from other countries who are continuously doing research in textile chemistry and machines.

Course content:

1. Physical Testing of the Fabric
Count & construction of fabric, Blend Ratio
2. Chemical testing:
PCPawareness , Blend composition,
Identification of Fiber, Identification of Dyes, Solvent Extractable matter, Chloride Content, Sulphate Content, pH value of water extract, Moisture Content, Shrinkage to Water, Colour Fastness Tests.
3. International methods adoted by the industry

Eligibility:

All teachers, students, engineer are eligible

Class timing: Wednesday & Thursday (Two days in a week)

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