

Certificate Course on Basics of Origin Software

Course Objective

This course aims amateur students to get a basic understanding of how to use Origin software in their research area

Course Overview

This course introduces the key features of Origin software including importing data, perform data processing and analysis and publishing graphs

Course Preamble

Origin is the data analysis and graphing software of choice for over 1/2 one million scientists and engineers in commercial industries, academia, and authorities laboratories international. It offers an clean-to-use interface for beginners, combined with the capability to carry out advanced customization as you become greater acquainted with the utility. . With its rich set of functions, an item oriented layout, and programmatic access to all graphing and analysis capability, foundation presents a super platform for custom application development.

Course Outcome

Participants will learn the basics of the origin software with a skill to analyze the data.

Course Structure

Theory & practical	28 hours
Exam	2 hours

Course Contents

Introduction (10 hrs)

Introduction. Origin Application: Title Bar and Status Bar -Windows- _Dynamic menus according to the active child window- _Workbook- _Graph-Matrix-Toolbars- _Toolbar Reference. Project Explorer- _Open/Close Project Explorer-Change the Display Properties of Project Explorer-Browse Origin windows in Project Explorer- _Add a Sub Folder in Project Explorer-Object Manager- _Open/Close Object Manager-Manipulate layers and plots in Object Manager

Data Analysis Peak Analysis (18 hrs)

Curve Fitting- Linear and polynomial curve fitting- Non linear curve fitting. Baseline subtraction- peak finding-peak integration-peak fitting

Reference

- . <https://www.originlab.com/>

Qualification

Any undergraduate degree

Certificate

Upon the completion of our course, Department of Physics will provide Course certificate.

More Details

For more Information Contact the course co-ordinator : Prof. Rani George