

LabView Programming

Type of course	Laboratory
Number of credits	2 ECTS
Number of hours	30
Semester	Autumn or Spring
Name of lecturer	mgr Bartosz Paprocki
Language of instruction	English
Assessment methods	student's projects and activity

Prerequisites

Basics of programming.

Goal of the course

The main goal of this course is for students to learn applications of programming, signal transduction, data acquisition, data analysis, and signal processing used in the design of industrial and laboratory instrumentation. Throughout the course of the class students will learn basic elements of LabView environment and common graphic programming techniques.

Course contents

The purpose of this course is to expose students to methods and techniques used in LabView programming. The LabView programming environment has become an industry standard, especially in the areas of data acquisition and instrument control, making it important for students to learn how to best utilize its functionality. In this class students will become familiar with graphical programming basics, file input/output, signal generation and processing, data acquisition, and communication protocols.

