



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Medical Physics

1718-1-H4102D008-H4102D024M

Aims

The course is focused to give the practical, theoretical and IT skills to analyse and to correctly understand the experimental data. This knowledge will form the primary basis for a rationale approach to the knowledge of medical sciences.

Contents

Introduction to MatLab

Data import procedures

Data Visualization

Mathematical models and fitting procedures

Detailed program

Introduction to MatLab

Presentation of the Matlab environment

Speeching of the main functions

Simple code programming basics.

Data import procedures

Importing simple text files

Recognition of different data storage formats

Generation of numerical matrices for data management

Displaying data

Introduction to the different ways of graphic representation

Graphs in linear logarithmic and bilogarithmic scale

Mathematical models and methods of fit

Introduction to using a data fit app

Prerequisites

Basic knowledges of mathematics and analysis and IT.

Teaching form

Laboratories and pc assisted lectures

Textbook and teaching resource

Documentazione online di Matlab

http://www.performancetrading.it/Documents/MmCMatlab/MmC_Help.htm

Semester

Second semester

Assessment method

Oral exam

Office hours

By telephone appointment (0264488215) or by email

(domenico.salerno@unimib.it).
