



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Laboratory of Data Acquisition

2122-1-F5802Q006

Aims

Provide core knowledge and skills for planning and conducting observations of galactic and extragalactic objects using optical telescopes. Provide the core knowledge and skills for the analysis and interpretation of the observations.

Contents

How to write a proposal, know-how on optical instrumentations, elements of data acquisition and data reduction, best practice for the analysis of data, how to present results in a scientific report.

Detailed program

Proposal writing: the structure of a successful proposal, scientific and technical elements, planning of observations

Know-how on optical instrumentations: imaging and spectroscopy, site conditions, estimates of integration times

_____ address the goal of the proposal, reporting results

Prerequisites

Undergraduate degree in physics.

Teaching form

Introductory workshops on proposal writing, the characteristics of instruments, data reduction techniques, and planning and execution of observations. Hands-on sessions to conduct observations and data analysis using the Bicocca Telescope.

Textbook and teaching resource

_____handouts

Semester

First semester.

Assessment method

Written report and oral exam on the material presented in the report and discussed during the workshops.

Office hours

By appointment (via email).
