



INSTITUTO DE FÍSICA
FACULTAD DE FÍSICA

CURSO	:	ADVANCED LABORATORY INTERNSHIP
TRANSLATION	:	PRÁCTICA AVANZADA DE LABORATORIO
NUMBER	:	FIM8360
CREDITIS	:	15 UC/ 9 SCT
MODULES	:	02
CHARACTER VARIANT)	:	MINIMUM (FOR CURRICULUM 030501 AND 030401 EXPERIMENTAL
FORMAT	:	LABORATORY
REQUISITES	:	NO REQUIREMENTS
RESTRICTIONS	:	030401 Y 03501
QUALIFICATION	:	STANDARD
KEY WORD	:	LABORATORY PRACTICE, EXPERIMENTAL TECHNIQUES
FORMATIVE LEVEL	:	DOCTORATE
DISCIPLINE	:	PHYSICS

I. COURSE DESCRIPTION

Minimum course of the Experimental Physics variant, which aims to keep the student in contact with experimentation in his first postgraduate semester. During this practice the student learns new and essential experimental techniques that will enable him to carry out his Thesis on an original research topic.

II. LEARNING OUTCOMES

Develop a research work that allows the student to learn new and essential techniques in the experimental area, while allowing the teacher to evaluate the student's abilities in experimental work.

III. CONTENT

A research project will be carried out in one of the experimental laboratories of the Institute of Physics. The laboratory practice will be directed by an experimental professor from the Institute who will agree with the interested student. Students are expected to dedicate at least two full days to this experimental activity.

IV. METHODOLOGICAL STRATEGIES

-Work sessions in the laboratory in different areas of Experimental Physics that are carried out at the Faculty.

V. EVALUATIVE STRATEGIES

Student performance will be evaluated by:

-Oral exposure: 30%

-Written report: 70%

-The oral presentation must be made openly and announced in internal postgraduate seminars at the Institute of Physics at the end of the semester. This will also allow an evaluation by the Professor in charge of each student, of the abilities that the student has for experimental research work.



INSTITUTO DE FÍSICA
FACULTAD DE FÍSICA

VI. BIBLIOGRAPHY

REQUIRED

According to the specific area of work.

OPTIONAL

N/A

PONTIFICIA UNIVERSIDAD CATÓLICA DE CHILE
ESCUELA DE FÍSICA / 2010