



INSTITUTO DE FÍSICA
FACULTAD DE FÍSICA

COURSE	: MASTER THESIS II
TRANSLATION	: TESIS DE MAGISTER II
NUMBER	: FMD3022
CREDITS	: 30 UC / 18 SCT
MODULES	: 2
RESTRICTIONS	: 030401, 030501, 030801, 030802, 030803
CHARACTER	: MINIMUM (FOR CURRICULUM 030801, 030802, 030803)
FORMAT	: THESIS
QUALIFICATION	: STANDARD
FORMATIVE LEVEL	: MAGISTER
DISCIPLINE	: MEDICAL PHYSICS

I. COURSE DESCRIPTION

In this course, students continue with the development of research skills related to the formulation of a scientific question and the application of a methodology to answer that question. The choice of research topic and associated work is carried out under the guidance of a guide teacher.

II. LEARNING OUTCOMES

- Apply the concepts and tools acquired during the program, through the development of an individual research project;
- Apply relevant ethical considerations to your individual research project;
- Communicate an investigation in writing and in scientific language, indicating its impact and scope of the results obtained;
- Communicate effectively the results of an investigation.

III. CONTENT

- Development of a methodology consistent with the scientific question.
- Aspects of writing and presenting a research project.
- Ethical aspects involved in research proposals.

IV. METHODOLOGICAL STRATEGIES

- Regular meetings between the student and the guide teacher.
- Periodic reports.
- Student presentations

V. EVALUATIVE STRATEGIES

- Written report and oral presentation on the research project (100%)



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VI. BIBLIOGRAPHY

REQUIRED

To be determined by the guide teacher.

Self-Instruction Manual: Laboratory Safety, Institutional Research Safety Committee, Pontificia Universidad Católica de Chile.

OPTIONAL

The Scientist's Guide to Writing, Heard, S.

Responsible Conduct of research, Shamo, A.E. and Resnik, D.B. New York, USA. Oxford University Press. 2003.

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