

CURSO : **TESIS DE MAGISTER II**  
TRADUCCIÓN : MASTER THESIS II  
SIGLA : FIM8772  
CRÉDITOS : 30 UC / 18 SCT  
MÓDULOS : 2  
CARÁCTER : MÍNIMO  
RESTRICCIÓN : 030401  
TIPO : TESIS  
REQUISITOS : FIM8771  
CALIFICACIÓN : ESTÁNDAR (CALIFICACIÓN DE 1.0 A 7.0)  
DISCIPLINA : FÍSICA  
NIVEL FORMATIVO : MAGÍSTER

#### I. 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. GOALS

The student must be able to:

- Develop a methodology to solve the scientific question posed in Thesis I.
- Analyze the data obtained in relation to the study objectives.
- Communicate the results obtained both verbally and in writing using scientific language.

#### III. CONTENT

1. Develop a methodology consistent with the scientific question.
2. Aspects of writing and presentation of research results.
3. Ethical aspects involved in research proposals.

#### IV. METHODOLOGY

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

#### V. EVALUACIÓN

- Informe escrito y presentación oral sobre el proyecto de investigación (100%)

#### 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, Shamoó, A.E. and Resnik, D.B. New York, USA. Oxford University Press. 2003.

PONTIFICIA UNIVERSIDAD CATÓLICA DE CHILE  
INSTITUTO DE FÍSICA/ MARZO 2019