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| CURSO | : | TESIS DE DOCTORADO III |
| TRADUCCIÓN | : | DOCTORAL THESIS III |
| SIGLA | : | FIM8603 |
| CRÉDITOS | : | 50 UC / 30 SCT |
| MÓDULOS | : | No aplica |
| REQUISITOS | : | FIM8602 |
| CONECTOR | : | Y |
| RESTRICCIONES | : | Alumno de Doctorado en Física (Currículo 030501) |
| CARÁCTER | : | Mínimo |
| TIPO | : | Tutoría |
| CALIFICACIÓN | : | estándar (calificación de 1.0 a 7.0) |
| PROFESOR | : | Académicos de la UA 02 o 03 |
| DISCIPLINA | : | Física |

I. DESCRIPTION

The Thesis III course of the Physics Doctorate program corresponds to a research work by the student under the supervision of one of the faculty members of the program. It is the third research course of a total of six in which the student must continue with the research formulated in Thesis I. The work to be developed must be original and can be theoretical or experimental. It is a mandatory requirement for student graduation to publish this work in an indexed journal.

II. GOALS

The objective of the course is to continue the investigation of an original topic by the student. The student must be able to develop their research according to the objectives and methodology set out in the Thesis Project, under the supervision of their guide professor. Prepare a document containing the results of this stage of the research project described above, to be evaluated before the Thesis Committee in the "Annual Monitoring Activity I" (FIM8203).

III. CONTENT

Main and associated topics defined by the guide teacher.

IV. METHODOLOGY

Regular meetings between the student and the guide teacher. Periodic reports on the progress of the student's work. Student presentations on the progress made. For both the presentation and the report, it is suggested to include the following sections:

- motivation;
- introduction and review of the state of the art;
- definition of the problem and hypothesis;
- methodology;
- results;

- conclusions and impact.

V. EVALUATION

The evaluation of the thesis work is made from the results presented in the partial reports prepared by the student and the oral presentations made. The percentage of weighting of these instances is at the discretion of the guide teacher.

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