

Advanced Laboratory

Code: 66700

Credits: 12

Character: Compulsory

Hours

Hours by week: 6

Type: Practice

Theory: 0 **Practice:** 6

Thematic Content

General Objective:

Encourage the development of experimental physics.

Specifics objectives:

Promote in the student the knowledge and development of methodology and experimental physics techniques.

Unit 1 Advanced Laboratory

The laboratory has a modular structure and it will consist on the number of practice's that will be determined each semester by the academic committee, each and every single practice must be including the following steps.

Phase 1) The Student will bring about the background research, physical fundamentals and most important aspects of the experiment to develop.

Phase 2) The Student will develop in detail the practice in the laboratory.

Phase 3) Dedicated for the production and delivery and reporting the practice.

Each semester a bank of practice's will be integrated with proposals teachers and research groups, based on the approved list by academic committee the student will be able to select the practices to performed.

The advanced laboratory will be evaluated based on, written reports from each practice performed by the student. The grade assigned to the advanced laboratory will be APPROVED or DENIED, The global approbation to advanced laboratory requires, and demands that the student approve each practice performed.

Elementary Bibliography

The bibliography will be depending of each practice proposal by professors.

