



2º SEMESTRE DE 2024

FI266 – Tópicos em Física Experimental II - **International Physics Tournament**

Turma A

Horário

Sexta – 14h às 18h na sala IF15

Créditos

4

Docente

Leandro Russovski Tessler
Pierre-Louis de Assis

Pré-Requisitos

Inglês intermediário. A disciplina será oferecida em inglês.

Ementa

Solve selected experimental problems for the International Physics Tournament 2025. Experimental techniques. Planning the experiment. Performing the experiment. Reporting results. Management of teamwork.

Objetivos

Resolver problemas inusitados e interessantes de física tendo em vista participar da equipe da Unicamp no IPT 2025.

Programa

The International Physics Tournament <https://iptnet.info/> is an international Physics competition where teams from higher education institutions from around the globe compete in a friendly atmosphere by presenting, criticizing or reviewing some of 17 experimental problems proposed by the Organizing Committee. The main objective of the course is to organize the Unicamp team, comprised by undergraduate and MSc students, to compete in the 2025 edition of the tournament. The Brazilian phase of the 2025 competition shall be in late December 2024 at UFMG. The winning team of the Brazilian event shall compete in the international event. The list of problems for the 2025 edition shall



be released by August 2024. In the course we will organize teams to solve as many problems as possible. At the end of the course we will appoint the Unicamp team for IPT 2025.

Bibliografia

1. Problemas dos anos anteriores. <https://iptnet.info/problems/>

CrITÉrios de AvaliaÇo

Os estudantes devero resolver em grupo pelo menos 10 problemas do IPT2020. Sero atribudas notas de zero a dez aos estudantes tendo em vista sua contribuio individual e em grupo para cada problema. As abordagens podero ser experimentais ou tericas. Na ps o conceito final envolver fortemente a capacidade de trabalhar em grupos coordenando estudantes de graduao. Ao final do curso a equipe da Unicamp ser definida entre os aprovados.

Observaes