Fi227 – Tópicos Física Aplicada I - "English Academic Writing in Physics"

Turma A

Horário
Segunda e Quarta - 14h às 16h

Créditos 4

Docente
Fanny Beron

Pré-Requisitos
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Objetivos
1) Think in English
2) Organize thoughts
3) Combine in a conference abstract

Ementa
Introdução à escrita acadêmica, conceito de resumo, seções de um resumo (título, introdução, metodologia, resultados e discussão, conclusão e perspectivas), organização das referências, regras de ética, comportamento com co-autores, competências linguísticas gerais (frases complexas, forma, fluxo) e específicas à língua inglesa (tempo de verbo, sintagma nominal, palavras de conexão, preposições), uso correto de advérbios e repetição de palavras, ponto de vista do autor.

Conteúdo Programático

1) Introduction to academic writing (4 weeks + review)
   • Concept of abstract
     o Context for academic writing
     o Abstract: Importance and functions
     o Abstract structure
   • General language skills
     o Avoiding complex sentences
     o Active/passive forms
     o Discourse markers
2) Specific topics (4 weeks + review)
   • Abstract sections
     o Introduction
     o Experimental method section
     o Results and discussion
Conclusion/title

- English sentence specificities
  - Verb tense
  - Noun phrase
  - Connectives inside sentence
  - Prepositions

3) Expanding academic writing concepts (4 weeks + review)

- Writing abstracts in the real world
  - References
  - Ethical rules
  - Co-authors
  - Review process

- Improving academic English skills
  - Adverbs
  - Concision
  - Paragraph structure
  - Accuracy

Bibliografia


Critérios de Avaliação:

- Tasks to be done (no numeric mark) (40 %)
  - Moodle assignments: 15 %
  - Homework: 15 %
  - Class participation: 10 %

- Task evaluated (60 %)
  - First rewritten abstract: 10 %
  - Second rewritten abstract: 20 %
  - Third rewritten abstract: 30 %

Observações:

There is no academic pre-requisite to attend this course. However, the students need to meet the two following requirements:

1) Since it involves English writing, the students need to be aware that a certain English level is required to adequately follow the course:

   - Writing/reading
     - Advanced basic
   - Listening/speaking
     - Basic

2) Each student should already have enough results and discussion about one of their previous research work to be able to write the equivalent of a conference abstract, before the beginning of the semester. It can come from a previous scientific initiation project of the student.