

Selected Topics in Advanced Optics

Information for the oral exam in January 2024

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Advanced Optics – Information for the exam

The examination will be conducted in presence and proceed in the following manner:

- The candidate will enter the room, show her/his Camipro card
- The candidate will choose at random one of the following topics:
 - 1) Material properties and optical constants
 - 2) Light scattering
 - 3) Optics of metals & plasmonics
 - 4) Gratings, stratified media & photonic crystals
 - 5) Metamaterials and metasurfaces
- The candidate will then have about 20 minutes to prepare the topic with all possible documents (course, lecture notes, books, etc...)
- After this preparation time, the student will present for about 20 minutes the topic on the blackboard and answer questions. The entire material seen during the course and the exercises can be tested during the examination
- This year, there will be a detailed evaluation of the class, the candidate will fill the evaluation form at the end of the examination and put it in the corresponding box