

Syllabus: Outreach Laboratory

The laboratory is intended to bring together PhD students and researchers who wish to engage in the popularization of physics.

Course credit (no grade, 1 ECTS) for PhD students based on:

- a) performing (in groups of 3-4 persons) a physics demonstration and
- b) writing in a popular manner on interesting recent results in their narrow field (not necessarily about their own results).

Class Schedule:

- 1) Introductory meeting.
- 2) Joint preparation of a list of sources (journals, websites, blogs, etc..) that popularize physics in an attractive way. Brief characteristics of these media - target group, way of presentation, degree of simplification.
- 3) Work on a popular science article.
 - a) Short presentation of 5-10 minutes about scientific results. Discussion.
 - b) Writing an article.
 - c) Discussion of the article - strengths and weaknesses.
- 4) Plan for promotion of scientific achievement.
- 5) Work on physical demonstration
 - a) Selection and design of the experience. Cost estimate.
 - b) Scenario of the show and preparation of graphical materials.
 - c) Demonstration for other participants.

The most interesting experiments will be presented during Science Picnics and Science Festivals.

Authors of the most interesting popular science articles will receive support in publishing the article in popular science press (Delta, Młody Technik).