



UNIVERSITÀ DEGLI STUDI DI TORINO

ID

VP02_DIP_CHIM

Visiting Professor Program Academic year 2020/2021

DEPARTMENT OF CHEMISTRY

TEACHING COMMITMENT: 12 hours

COURSE TITLE

Chemical Education

TEACHING PERIOD

2nd term

SCIENTIFIC AREA

General Chemistry

LANGUAGE USED TO TEACH

English

COURSE SUMMARY

Elements of epistemology of chemistry: discussion of foundational chemical concepts from a philosophical perspective. The epistemology of chemistry as a teaching resource: examples of the application of the historical-epistemological approach to chemistry teaching.

LEARNING OBJECTIVES

At the end of this class, students are expected to be aware of the didactic potential of the historical-epistemological approach to foundational chemical concepts.

They are also expected to understand and convey chemical contents through the identification of the conceptual hierarchy and the conceptual levels (macro, micro, symbolic) involved in the chosen issue.

TUTORSHIP ACTIVITIES (IF APPLICABLE)

LAB ACTIVITIES (IF APPLICABLE)

OTHER ACTIVITIES (IF APPLICABLE)

During her/his stay, the Visiting Professor is expected to give at least one seminar addressed to PhD students and research fellows of the Chemistry Department of the University of Torino, on a subject related with the philosophy of chemistry and its relevance to chemical education and chemical research.

VISITING PROFESSOR PROFILE DESCRIPTION

Profile of the Visiting Professor:

- well-recognised expertise in the fields of the philosophy of chemistry and chemical education;
- consistent record of publications in these fields;
- membership of associations and work groups related to the philosophy of chemistry and chemical education.

CONTACT PERSON AT THE DEPARTMENT

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