



DIPARTIMENTO DI SCIENZE CHIMICHE



DIPARTIMENTO DI INGEGNERIA INDUSTRIALE



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

Introduction to Ceramics / Inorganic non-metallic Materials

Prof. Dr.-Ing. Maren Lepple
Institut für Anorganische und Analytische Chemie
Justus-Liebig-Universität Gießen

22-24 May 2023

7 hours including a scientific seminar (see time schedule below)
Dipartimento di Scienze Chimiche

Content of the teaching program: The lectures will cover the introduction into ceramic materials, which are non-metallic inorganic compounds. The course will include but is not limited to the following topics:

- Definition of ceramics
- Fundamentals of synthesis and processing
- Typical properties of ceramics in comparison to other materials
- Structure-property relationship of ceramic materials
- Examples of structural and functional ceramics
- Ceramic materials for energy applications

Timetable:

Monday 22 May 2023 AULA P

10.30-12.15 Lecture

Tuesday 23 May 2023 AULA P

10.30-12.15 Lecture

Wednesday 24 May 2023 AULA P

9.30-11.15 Lecture

11.30-12.30 Scientific seminar (see attached flyer)

A certificate will be provided upon 75% of attendance

Prof.ssa Silvia Gross
Dipartimento di Scienze Chimiche

Prof.ssa Giorgia Franchin
Dipartimento di Ingegneria Industriale

Dipartimento di Scienze Chimiche, via Marzolo, 1, 35100 Padova
Dipartimento di Ingegneria Industriale, via Marzolo, 9, 35100 Padova