

**Course offered for the PhD program  
in Civil, Chemical and Environmental Engineering  
Curriculum in Chemical, Material and Process Engineering –  
a.a. 2019/2020**

(open to students of other doctorate schools)

**1. Title**

Catalysts and Adsorbents

**2. Course Description**

The course, held in English, describes the main families of catalysts and adsorbents applied in industrial and environmental chemistry and the nature of their behavior. A special focus will be also devoted to the study of interactions in organo-inorganic composite materials.

**3. Course Organization**

The course consists of classroom lessons.

**4. Teacher**

The course teachers will be Prof. Guido Busca (2 credits) and Elisabetta Finocchio (1 credit).

**5. Duration and credits**

The course (15 hours) will consist of 5 lessons, 3 hours each, for a total of 3 credits.

**6. Activation mode and teaching period.**

The course will be held during the period January-February 2020. Please contact the teachers: Guido Busca: Tel. +39-3292104505; email: [Guido.Busca@unige.it](mailto:Guido.Busca@unige.it), Elisabetta Finocchio: email: [Elisabetta.finocchio@unige.it](mailto:Elisabetta.finocchio@unige.it)

**7. Final exam.**

Course participants will support, by appointment with the teacher, an oral exam, focused in a discussion on the topics covered during the course