

Contact

Technische Universität München
Summer University

Summer University Office:
Gabelsbergerstraße 39
D-80333 Munich
Germany

www.tum-summer.com

Experience nanotechnology and German culture at the Technische Universität München, the leading German university in science and technology.

In this wonderful setting near the Alps, you will enjoy a 6-week intensive summer program with a nanotechnology lecture and lab course in English language with site visits to 10 leading research centers, and a German language course offered at both beginner and intermediate levels.



Email: sommeruni@zv.tum.de

Phone: +49-89-289-22151

Fax: +49-89-289-22131

www.tum-summer.com

Technische Universität München



Summer University Finding Nano

Discovering Nanotechnology
and Culture in Germany

June 14 – July 25, 2010



About Technische Universität München

As one of only three universities distinguished with the German Excellence Award in 2006, the Technische Universität München (Technical University of Munich) is a leading university in Germany and Europe, serving as an important global player in the international world of science and technology.

Electronic properties of nanoengineered materials (NanoSCI)

This course introduces students to the rapidly developing field of nanoengineered materials with special focus on their electronic properties. The course is of special interest to electrical engineers, materials scientists, physicists and the like. Fundamental aspects of the electronic properties of these materials, as well as fabrication processes and applications will be equally discussed in this course.

(30 Lecture hours = 2 Semester Credit Hours/1 Quarter Course Credit)

Nanotechnology in Germany: Implementing Science, Research and Technology in Germany (NanoTECH)

This course gives students an overview of the technological landscape of Germany, with an emphasis on nanotechnology centers. Excursions to industrial sites (e.g. Siemens), research laboratories (e.g. Max-Planck-Institute) and cultural points of relevance lead to a deeper understanding of Germany's position in the technological world.

(30 Lecture hours = 2 Semester Credit Hours/1 Quarter Course Credit)

German Language Course

The ability to use German for communicative purposes provides students with a greater access to German culture. A comfortable working knowledge of German and a familiarity with German culture prepare the students for an increasingly international working environment. (50 Lecture hours = 3 Semester Credit Hours/1,5 Quarter Course Credits)

German Culture and History

Visits to cultural sites give both an introduction to the cultural and political profile and to the importance of technology in the development of the arts and the architecture in history (e.g. Nuremberg, Augsburg). Social events complement the daily life experience and create opportunities to interact with other students. (Counts toward German language course credits)

English is the language of instruction for the courses NanoSCI and NanoTECH. The intensive German language courses will be taught exclusively in German with the express goal of encouraging students to achieve a good level of communicative competence as quickly as possible.

Accommodation

Students live in student dormitories. If this is not possible, we offer rooms in private/semi-private dormitories of international housing programs.

Requirements

Undergraduates of science and engineering who have completed an introduction to quantum mechanics or quantum chemistry.

German language course: no prerequisites.

Program Fee

€ 3170,-

Including: TUM Workshops in Nanoscience and Nanotechnology, German language course, German culture and history, cultural program, excursions, health insurance, accommodation in a dorm, half board (Mon-Fri), public transportation pass.

How to Apply

Please contact TUM Summer University for the application form:
sommeruni@zv.tum.de

Application Deadline: March 29th, 2010 Attention

Please make sure that you have a valid passport (until March 2011) or that you apply for a new one on time (see the new passport regulations).