The Deutsches Museum possesses one of the largest scientific and technical collections in the world. Natural laws, instruments and apparatus as well as technical procedures are explained on a scientifically high level in a comprehensible and entertaining way.

**THE KOLLEG**

The Kerschensteiner Kolleg is an educational institution which offers advanced training seminars up to several days in length, with a variety of topics covering the diverse exhibitions of the Deutsches Museum. Located in the buildings of the Deutsches Museum, it offers 30 guest rooms, a conference room and experimental laboratories.

The participants are offered the opportunity:
- to broaden and deepen their knowledge
- to come to understand modern sciences and technology on the basis of their historical development
- to conduct research and experiments on exemplary models
- to engage in current research topics and examine their influence on society.

The programmes of the Kerschensteiner Kolleg are conducted and supported by specialists and scientists of the Deutsches Museum. The training and education uses a wide range of complementary methods and media, such as dialogue-based guided tours, experimental lectures, demonstration materials, interactive models, new media, individual experiments, group and follow-up work as well as discussions.

### LIVING IN THE KOLLEG

The course participants reside directly in the buildings of the Deutsches Museum in the centre of Munich. Many sights and cultural locations of Munich are within walking distance: The »Gasteig«, home of the Munich Philharmonic Orchestra, and venue of many other cultural events, the »Müller'sche Volksbad« with its art nouveau architecture, the European and German Patent Offices as well as extensive green spaces and footpaths in the immediate vicinity.

### AN OFFER FOR ...

Teachers, museum experts/curators, engineers and scientists as well as other occupational groups and students of all fields who are interested in the history of science and technology.

### ORGANIZATION

Individual applications are possible for the seminars for museum specialists, educators, the series of open seminars as well as for selected weekend programmes. All other courses are conducted for closed groups. Interested groups can apply at any time (group size from approx. 15 to max. 30 persons with at least three overnight stays). Groups of more than 20 persons can book brief workshops on weekends. We recommend booking well in advance. Our programmes are planned in cooperation with a representative of the group. The contents and focus of the seminars can be adapted on the basis of our programme (see overleaf).

For further information please refer to:
www.deutsches-museum.de/information/fortbildung/themenkatalog

Georg Kerschensteiner, 1854–1932, teacher for mathematics and natural sciences, member of the Munich city school board and university professor. He founded a modern vocationally oriented school system and developed the educational work of the Deutsches Museum.

You will stay in the Kerschensteiner Kolleg of the Deutsches Museum, directly on the museum island. The quietly located rooms are furnished in a modern style, with shared toilets & showers on the same floor.
The lectures/guided tours can be freely combined to cover a specific subject or to give an interdisciplinary overview.

For detailed information please refer to:
www.deutsches-museum.de/information/fortbildung

**SCIENCE**
A Walk through the History of Physics: From Galilei to Elementary Particles
From Astronomy to Astrophysics
The World in Small Sizes: Accomplishments with Optical and Electron Microscopes
The Nanocosm – a Completely New World?
You are Chemistry – The Pharmacy Exhibition
Open Research Laboratory: Nano-Research Conducted Live in the Museum
Experimental Laboratories for Study Groups: TUMLab, DNA Visitors’ Lab

**INFORMATION AND COMMUNICATIONS TECHNOLOGY**
Printing and Paper – Black and White Art
From Hertzian Waves to Mobile Communications
From the Abacus to Zuse

**TRAFFIC AND MOBILITY**
Milestones in the History of Traffic
What Happens to an Astronaut in Space: On the History of Astronautics

**ENERGY**
Electrical Energy, Generation and Distribution
How Do We Deal with Energy?
Energy from the Sun

**MATERIALS AND PRODUCTION**
The Development of Machine Tools
Underground - The History of Mining
High Technology in Aerospace Industry

**RESEARCH, SCIENCE AND THE HISTORY OF SCIENCES**
How is Technology Perceived in Society?
Intelligence of Machines between Desire and Reality
The Dream of Flying: The History of Aviation from Archive Sources

**POSSIBLE THEMATIC BLOCKS FOR EDUCATION PROGRAMMES LASTING SEVERAL DAYS**
Innovations in Science and Technology
Physics in the 20th Century
The History of Natural Sciences
Traffic - Travelling - Mobility
Nano and Bio - Technologies of the Future?