



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



Table of Contents

Language course/short course	2
Introduction to Biomechanics • Technische Universität Berlin • Berlin	2

Language course/short course



Introduction to Biomechanics

Technische Universität Berlin • Berlin

Overview

Course location	Berlin
Teaching language	<ul style="list-style-type: none">English
Language level of course	<ul style="list-style-type: none">English: B2
Date(s)	<ul style="list-style-type: none">1 July - 12 July 2024
Information on dates, prices and mode of study	<p>Course fees are as follows:</p> <ul style="list-style-type: none">Student: 1,050 EURWorking professional/non-student: 1,250 EUR <p>Please note that students will be required to upload proof of their student status (student card/enrolment information) during the registration process.</p>
Target group	<p>This course is designed for students of biomedical engineering, mechanical engineering, industrial engineering, biotechnology, physical engineering, structural engineering.</p> <p>Working professionals are also welcome to take part in the programme.</p>
Description/content	<p>Biomechanics, as a growing field of engineering, has many applications in the health and sport sectors. This broad field of study includes the design of artificial implants, the development of human tissues in the lab, the measurement of human movement and the detection and treatment of pathological conditions, the understanding of the performance of our muscles and how to employ it in sport, the diagnosis of injuries, the imaging of biological tissues and the detection of their pathological state, etc. In this course, the fundamental principles of biomechanics and their application to real life situations will be covered, including a basic understanding of the application of mechanical principles in biology, understanding of anatomical and biomechanical terminology, application of biomechanical principles to human movement, a basic understanding of the mechanical properties of biological tissues and the techniques used to determine them, and more recent advanced topics such as mechanics of cells, tissue imaging and tissue engineering.</p>

Course details

Recognised language exams offered (e.g. DSH, TestDaF, TOEFL)	No
--	----

ECTS points (max.)

3

Costs / Funding

Dates and costs

- 1 July - 12 July 2024, costs: EUR 1,050

This price includes

- Course fees
- Accompanying programme

Information on dates, prices and mode of study

Course fees are as follows:

- **Student: 1,050 EUR**
- **Working professional/non-student: 1,250 EUR**

Please note that students will be required to upload proof of their student status (student card/enrolment information) during the registration process.

Requirements / Registration

Teaching language

- English

Language level of course

- English: B2

Language requirements

Participants of the TU Berlin Summer School must meet the following requirement: level B2 English or equivalent

Submit application to

[Please apply via our application portal.](#)

Services

Is accommodation organised?

Accommodation is arranged by the organiser.

Type of accommodation

Hotel room (double occupancy)

Is a social and leisure programme offered?

Yes

Description of social and leisure programme

Cultural programme sessions during the week after course hours (museum visits, guided walking tours, mini golf, lake excursions) and at the weekend (trips to other cities, such as Dresden and

Potsdam)

Free internet access Yes

Support in visa matters Yes

Pick-up service from train station/airport No

Contact

Technische Universität Berlin

TU Berlin Summer School

Hardenbergstr. 16-18
10623 Berlin

Tel. +49 3044720230

✉ tubsummerschool@tubs.de

🌐 Course website: <https://www.tu.berlin/en/international/summer-school/summer-school/summer-school-on-campus/introduction-to-biomechanics>

📘 <https://www.facebook.com/TUBerlinSU>

🌐 <https://www.linkedin.com/in/tuberlinsummeruniversity/>

📷 <https://www.instagram.com/tuberlinsummeruni/?hl=de>

Last update 22.07.2024 13:14:58

International Programmes in Germany - Database

www.daad.de/international-programmes
www.daad.de/sommerkurse

Editor

DAAD - Deutscher Akademischer Austauschdienst e.V.
German Academic Exchange Service
Section K23 – Information on Studying in Germany
Kennedyallee 50
D-53175 Bonn
www.daad.de

GATE-Germany

Consortium for International Higher Education Marketing
www.gate-germany.de

Disclaimer

The data used for this database was collected and analysed in good faith and with due diligence. The DAAD and the Content5 AG accept no liability for the correctness of the data contained in the "International Programmes in Germany" and "Language and Short Courses in Germany".

The publication is funded by the German Federal Ministry of Education and Research and by contributions of the participating German institutions of higher education.



Federal Ministry
of Education
and Research