IMPORTANT ADDRESSES

CompEng Coordination Office
compeng-support@rub.de

Course Director:
Prof. Dr. rer. nat. K. Hackl

Chief Coordinator:
Dipl.-Ing. J. Sahlmen
Office hours:
By appointment

Coordinators:
S. J ordan, B.A., B.A. C. Rauch
Office hours:
By appointment

Head:
Prof. Dr. rer. nat. K. Hackl

Office:
K. Schneider
Certificates, registration / cancelation of exams, FlexNow
Mon. 13:00 - 15:00, Tue 13:00 - 15:00, Thu 09:00 - 11:00

Student representative body

CE Examination Office

IC 03-711       Tel. 32-25729
                hackl@am.bi.rub.de

IC 6-91        Tel. 32-22103
                comp-eng@rub.de

IC 03-733       Tel. 32-22103
                32-24273
                compeng-support@rub.de

IC 03-711       Tel. 32-25729
                hackl@am.bi.rub.de

IC 5-63        Tel. 32-22575
                examinationoffice-compeng@rub.de

IC 03-161       Tel. 32-23078

Always updated information on contact persons and office hours can be found at compeng.rub.de
Student Service Center (SSC)
stud-sekretariat@uv.rub.de

Re-enrolment, leave of absence, student ID-card etc.

SSC 0-10 Tel. 32-22945

General Students’ Committee (ASTA)
service@asta-bochum.de

Financial, legal and social counseling, attestation of official documents

Students’ House SH 005 and SH 006 Tel. 32-22416

Equal Opportunities Officer
gleichstellung-bi@rub.de

For students: Zuzan Azad

IC 02-153 Tel. 32-23088

Inclusion Officer
pruefungsamt-bi@rub.de

R. Pape

Students’ House SH
Ground floor, Room 062
Tel. 32-11413

AKAFÖ
akafoe@akafoe.de

Academic Support Services:
Accommodation, catering, financing, culture

Peer Quartier, Buscheyplatz 3,
44801 Bochum

Psychological counseling
psychberatung@rub.de

By personal appointment

Universitätsstraße 90, House 1,
Office 2.02 Tel. 32-23887

German courses: Department German as a Foreign Language (DAF)
beate.hermans@rub.de

Intensive German courses (with costs)

https://interculturas-ev.de/de/

German courses:

ASTA German courses

International Office
rubiss@rub.de

Intensive German Students Services (RUBiss)
Counseling for international students

SSC 1-225; 229; 230; 235
www.international.rub.de/rubiss/kontakt.html.de

Copy Center SSC
druckzentrum@uv.rub.de

Xeroxing, printing

UV 01/44
CHAIRS AND PROJECT GROUPS

TRAFFIC ENGINEERING & MANAGEMENT
Prof. Dr.-Ing. Geistefeldt – IC 4-117

HIGHWAY & ROAD ENGINEERING
Prof. Dr.-Ing. Radenberg – IC 4-127

ENGINEERING HYDROLOGY & WATER RESOURCES MANAGEMENT
Prof. in Dr.-Ing. Flörke – IC 4-185

URBAN WATER MANAGEMENT & ENVIRONMENTAL ENGINEERING
Prof. Dr.-Ing. Wichern – IC 4-59

ENVIRONMENTAL ENGINEERING & ECOLOGY IN CIVIL ENGINEERING
Prof. Dr. rer. nat. Stolpe – IC 5-153

RESOURCE EFFICIENT BUILDING
Prof. Dr.-Ing. Annette Hafner – IC 5-159

ECOINFORMATICS
J un.-Prof. Dr. van Dijk – IC 4-143
COMPUTATIONAL ENGINEERING

MECHANICS – MATERIAL SCIENCE
Prof. Dr. rer. nat. Hackl – IC 03-711

MECHANICS – CONTINUUM MECHANICS
Prof. Dr.-Ing. Balzani – IC 03-739

MECHANICS OF ADAPTIVE SYSTEMS
Prof. Dr.-Ing. Nestorović – IC 03-725

STRUCTURAL MECHANICS
Prof. Dr. techn. Meschke – IC 6-185

COMPUTING IN ENGINEERING
Prof. Dr.-Ing. König – IC 6-59

HIGH PERFORMANCE COMPUTING IN ENGINEERING
Jun.-Prof. Dr. Vogel – IC 6-155

STRUCTURAL ENGINEERING

DESIGN & CONSTRUCTION OF CONCRETE STRUCTURES
Prof. Dr.-Ing. Mark – IC 5-185

STEEL, LIGHTWEIGHT & CONCRETE STRUCTURES
Prof. Dr. Sc. techn. Knobloch – IC 5-59

TUNNELING, UTILITY ENGINEERING & CONSTRUCTION MANAGEMENT
Prof. Dr.-Ing. Thewes – IC 6-127

BUILDING MATERIALS
Prof. Dr.-Ing. Breitenbühler – IC 6-117

WIND ENGINEERING & FLUID MECHANICS
Prof. Dr.-Ing. Höffer – IC 5-127
Exam Office & Downloads

The Examination Office website offers a lot of useful information about organizing examinations. The download area also contains central documents, forms and timetables.

compeng.rub.de/ce/examination-office/examination-office.html.en

Study places at the RUB

Find out where you can study with your group, find rooms to participate in online courses, or simply find a quiet place to work on the following page:

studium.rub.de/en/learning-rooms
In the Project Office Building and Environment you can write project and final theses. The PBU offers a well-equipped PC workstation, tips and tricks for scientific writing, support in the preparation / execution of presentations, professional exchange opportunities, a collegial working atmosphere and much more.

pbu.rub.de

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e-learning

A functioning IT infrastructure and the corresponding software are essential for the success of your studies. On these pages you will find valuable tips on digital learning as well as competent support on topics such as VPN, e-mail, video conferencing, and much more:

https://zfw.rub.de/
https://it-services.rub.de
Sciebo is a cloud storage facility at all universities in NRW. With Sciebo, even larger amounts of data can be stored, accessed and edited from anywhere.

Further information and instructions the installment of the campus cloud can be found at it-services.rub.de/services/issi/sciebo.html.de
LoginID & Password

When you enrol, you’ll receive your personal LoginID and PIN. Almost all online services of the RUB can be used with these access data. However, you must first set a new password via RUB eCampus: rub.de/ecampus/ecampus-webclient/login_studierende.html

E-Mail

When you start your studies at the RUB, you’ll receive a personalized e-mail address from IT.SERVICES consisting of Vorname.Nachname@ruhr-uni-bochum.de or Vorname.Nachname@rub.de. You should always use this in your communication with all faculty and RUB institutions.

Check your e-mail box regularly - preferably daily - as all official messages from lecturers, fellow students, examination offices, the administration, the rectorate or other institutions are sent through the RUB mail system.

More info on the topic can be found at mail.rub.de/mail
Via the Zoom video conferencing service, you can participate in courses that are offered online or hybrid, i.e. as a mixture of digital and face-to-face formats. More information and the possibility to download can be found here:

*it-services.rub.de/bk/zoom.html.de*

**FlexNow**

Flexnow is the examination management system of the Faculty of Civil and Environmental Engineering. You can register for all examinations via an online portal - and also de-register if necessary. You also have the option of calling up an up-to-date overview of your performance (Transcript of Records/ToR) at any time.

Detailed instructions on the installation and use can be found at *flexnow.rub.de*. 
moodle is a digital learning platform that provides information and working materials on the degree programme and individual modules via virtual course rooms.

To register, go to moodle.rub.de. Simply use your login ID and password for your RUB account. In order to be kept up-to-date with any news concerning your courses and organizational details, one moodle course you should definitely enrol in is the CompEng Info course.
<table>
<thead>
<tr>
<th>WP</th>
<th>Courses</th>
<th>1st, 2nd &amp; 3rd semester</th>
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<tbody>
<tr>
<td>CE-WP01</td>
<td>Variational Calculus and Tensor Analysis</td>
<td>3 5 1</td>
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<tr>
<td>CE-WP02</td>
<td>Optimization Aided Design - Reinforced Concrete</td>
<td>4 6 2</td>
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<tr>
<td>CE-WP03</td>
<td>Adaptronics</td>
<td>3 5 2</td>
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<td>CE-WP04</td>
<td>Advanced Finite Element Methods</td>
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<td>CE-WP05</td>
<td>Computational Fluid Dynamics</td>
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<td>CE-WP06</td>
<td>Finite Element Methods for Nonlinear Analyses of Materials and Structures</td>
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<td>CE-WP08</td>
<td>Numerical Methods and Stochastics</td>
<td>4 6 2</td>
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<tr>
<td>CE-WP09</td>
<td>Numerical Simulation in Geotechnics and Tunneling</td>
<td>4 6 2</td>
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<td>CE-WP10</td>
<td>Object-oriented Modeling and Implementation of Structural Analysis Software</td>
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<td>CE-WP11</td>
<td>Applied Computational Simulations of Structures</td>
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<td>CE-WP12</td>
<td>Computational Plasticity</td>
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<td>CE-WP16</td>
<td>Parallel Computing</td>
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<td>CE-WP25</td>
<td>High-Performance Computing on Multicore Processors</td>
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<td>CE-WP28</td>
<td>Machine Learning: Supervised Methods</td>
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<td>CE-WP13</td>
<td>Advanced Control Methods for Adaptive Mechanical Systems</td>
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<td>CE-WP14</td>
<td>Computational Wind Engineering</td>
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<td>CE-WP15</td>
<td>Design Optimization</td>
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<td>CE-WP17</td>
<td>Numerical Methods for Conservation Laws</td>
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<td>Safety and Reliability of Engineering Structures</td>
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<td>CE-WP19</td>
<td>Computational Fracture Mechanics</td>
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<td>CE-WP20</td>
<td>Materials for Aerospace Applications</td>
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<td>CE-WP26</td>
<td>High-Performance Computing on Clusters</td>
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<td>CE-WP24</td>
<td>Case Study A</td>
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<td>Training of Competences (part 1)</td>
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<td>CE-W09</td>
<td>Scientific C++ Programming (Basics)</td>
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<td>CE-W02</td>
<td>Training of Competences (part 2)</td>
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<td>CE-W04</td>
<td>Recent Advances in Numerical Modeling and Simulation</td>
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<td>CE-W06</td>
<td>Advanced Constitutive Models for Geomaterials</td>
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<td>CE-W10</td>
<td>Scientific C++ Programming (Advanced)</td>
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<td>CE-W05</td>
<td>Simulation of Incompressible Turbulent Flows with the Finite Volume Method</td>
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<td>CE-W08</td>
<td>Quantum Computing</td>
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<tr>
<td>CE-W03</td>
<td>Case Study B</td>
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Other relevant courses of the faculty or from engineering faculties of other universities: 1+2+3

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>4th Semester</th>
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<tbody>
<tr>
<td>CE-M</td>
<td>Master Thesis</td>
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**Subtotal CP: Master Thesis**

| Sum CP in Total | 120 |

**Subtotal CP: Compulsory Courses**: 39

**Subtotal CP: Compulsory optional courses**: 35

**Subtotal CP: Optional courses**: 16

**Subtotal CP: Master Thesis**: 30

Stand: September 2023
NRW-Ticket tariff zone

VRR tariff zone
Info on the semester ticket / Deutschland Ticket:
https://studium.rub.de/en/turn-your-semester-ticket-deutschland-ticket
HELPFUL OFFERS FOR YOUR STUDIES

HOMEPAGE DER RUHR-UNI
The Ruhr-Uni homepage offers important information about studying as well as interesting facts and exciting news about campus life.
rub.de

INTERNATIONAL OFFICE
Information on stays abroad, financing options and the corresponding counselling can be found at international.rub.de/en

CAREER SERVICE
The Career Service advises on questions regarding applications, job search, internships and career entry.
studium.rub.de/de/willkommen-beim-career-service

JOB CENTER UNIVERSITY TEAM
The university team of the Employment Center offers support, e.g. if you have doubts about your studies or job prospects:
studium.rub.de/de/dos-hochschul-team-der-agentur-fuer-arbeit-bochum

IT-COURSES CHAIR OF COMPUTING IN ENGINEERING
On the pages of the Chair of Computing in Engineering you will find regular dates for helpful IT courses, e.g. in software applications such as Latex and Excel.
inf.bi.rub.de

RUB WRITING CENTER
The Writing Centre offers many helpful courses on the topic of writing, correct citation, plagiarism avoidance and much more.
zfw.rub.de/sz/angebote/studierende/übersicht

COPY CENTER
In the Copy Centre in the SSC you can submit your print jobs (e.g. study papers) or print, copy, scan and bind them yourself on the machines.
druckzentrum.rub.de

FURTHER OFFERS
Further helpful offers that make studying easier can be found here: studium.rub.de/de/service-einrichtungen-und-angebote-fuer-studierende
eduroam is the WPA2-encrypted access to the wifi network at the RUB. Only the access data, the loginID and the password (which has to be set via eCampus) are required for the connection. eduroam is a worldwide project. Access to the wifi is possible with the same settings at every university that has the eduroam radio network. Further information and detailed instructions can be found at

https://noc.rub.de/web/wlan
<table>
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<tr>
<th>Time</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
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<tr>
<td>8:00 – 9:00</td>
<td>Finite Element</td>
<td>Modern Programming</td>
<td>Modern Programming</td>
<td>Mathematical</td>
<td>Variational Calculus</td>
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<td>Methods in Linear</td>
<td>Concepts in</td>
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<td>Aspects of Differential</td>
<td>and Tensor Analysis</td>
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<td>Structural Mechanics</td>
<td>Engineering</td>
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<td>Equations</td>
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<td></td>
<td>HIC Prof. Meschke</td>
<td>IC 04-28 Prof. König</td>
<td>IC 04-630 Prof. König</td>
<td>NB 5-99 Prof. Röhrle</td>
<td>HZO 90 Dr. Hoppe</td>
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<tr>
<td>9:00 – 10:00</td>
<td>IC 04-628 Prof. König</td>
<td>Computer-based</td>
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<td>Analysis of Steel</td>
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<td>IC 04-408 Prof. Knobloch</td>
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<td>10:00 – 11:00</td>
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<td>11:00 – 12:00</td>
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<td>12:00 – 13:00</td>
<td>Mechanical Modeling</td>
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<td>HZO 90</td>
<td>IC 04-630 (GP-Pool)</td>
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<td>Prof. Balzani</td>
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<td>13:00 – 14:00</td>
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<td>14:00 – 15:00</td>
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<td>15:00 – 16:00</td>
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</tbody>
</table>
AND WHAT ELSE?

INSTAGRAM
@compeng.rub
@bauen.umwelt.rub
@ruhrunibochum

ONLINE
compeng.rub.de
fbi.rub.de
news.rub.de

STAY IN TOUCH
rub.de/alumni
(Group BI-/UI)

CULTURE
mz.rub.de
akafoe.de/kultur

MOVIES
skf-kino.de

RECREATION
boga.rub.de

SPORTS
hochschulsport-bochum.de

MUSIC & NEWS
ctdasradio.de

LEARN A LANGUAGE
zfa.rub.de

SUSTAINABILITY
nachhaltigkeitsforum.wordpress.com
CE STUDENT COUNCIL

WHAT WE DO:

- Communication of students’ interests in councils and towards lecturers
- Student counseling
- Organization of parties and events
- Public Relations
- Student recruiting
- Language tandems

GET IN TOUCH:

IC 03/161
fs-compeng@rub.de
@compeng_studentcouncil
ComputationalEngineering

SUSTAINABILITY
nachhaltigkeitsforum.wordpress.com
ONLINE
compeng.rub.de
fbi.rub.de
news.rub.de
Join CE Welcome Program

Enrolment, health insurance, transfer of social fee

In RUB eCampus: Change password, print NRW ticket + proof of enrolment (Studienbescheinigung), change default address

City registration

Open bank account

Instruct your health insurance company to report your insurance status digitally to the RUB

Register for DAF German Courses

Register in moodle and join the group 'CompEng Info'

Visa extension
Für baustellenbedingte Sperrungen/Umleitungen für Fußgänger, Fahrradfahrende, PKW sowie zur Barrierefreiheit beachten Sie bitte den gesonderten Campusplan mit Nutzungseinschränkungen.