

Introductory Event

for the master's program Scientific Computing



Welcome at TU Berlin!

Beginning: 4:00 PM

Contact Persons

Chairman of the Examination Board:

- ▶ Prof. Reinhard Nabben

Student Counselor:

- ▶ Bernhard Höveler

Peer Student Counselors:

- ▶ Antonia Bauroth, Sophie Blasius

Contact information: <http://www.tu-berlin.de/?id=151356>

Structure of the Scientific Computing Program

- ▶ standard period of study: 4 semesters
- ▶ consists of 120 ECTS distributed over 7 areas:
 1. Scientific Computing (27 ECTS, must include the module *Wissenschaftliches Rechnen* (7 ECTS))
 2. Applied Mathematics (20 ECTS)
 3. Applied Discipline (19 ECTS)
 4. Free Choice (5 ECTS)
 5. Mathematical Seminars (12 ECTS)
 6. Internship (7 ECTS, six weeks in full time)
 7. Master's Thesis (30 ECTS)

More detailed information can be found on the Scientific Computing website and in the study and examination regulations.

Recommended Courses for the Summer Semester 2021

- ▶ **Nichtlineare Optimierung** (*Non linear Optimization*, 10 ECTS, D.Hömberg)
- ▶ **Matrix Theory** (10 ECTS, J. Liesen)
- ▶ **Mathematische Visualisierung II** (*mathematical visualization II*, 10 ECTS, J. Sullivan)
- ▶ **Models of biological neural networks** (5 ECTS, T. Schwalger)

If you already have a strong mathematical background:

- ▶ **Numerical analysis for stochastic PDEs** (5 ECTS, A. Hocquet)

Getting along on the Digital TU Campus

Information about Courses

- ▶ MOSES (<https://moseskonto.tu-berlin.de/>)
 - ▶ catalogue of courses and modules
- ▶ Long-Term Course Planning (<http://www.math.tu-berlin.de/fileadmin/i26/Verwaltung/Lehrplanung-IfM.pdf>)
 - ▶ list of planned math courses for the next semesters
- ▶ ISIS (<https://isis.tu-berlin.de/>)
 - ▶ course information (lecture material, assignments, etc.)

Further IT Services

- ▶ Zoom (<https://tu-berlin.zoom.us/>) for live lectures etc.
- ▶ TUB Cloud (<https://tubcloud.tu-berlin.de>)

Further Comments

Registration

- ▶ no registration for courses needed, only for the exams
- ▶ before registering for the first exam, you need to make a study plan (signed by a mentor)

Further Counseling

- ▶ Office of Student Affairs (application and enrollment)
- ▶ Office of Student Mobility & International Students
- ▶ Center for Campusmanagement (IT services of TU Berlin)
- ▶ Family Services Office
- ▶ Academic Advising Service (general information, psychological counseling)