

Dean's Information Event for FIM Students



Faculty of Computer Science and Mathematics
Wednesday, 22 July 2020

- (New) professors and stand-in professors
- Coronavirus impacts
- Degree programme developments
- Course offerings in the next semester
- Seminar information
- Questions, feedback and discussion

New Professors

To be announced soon:

Algorithms for Intelligent Systems

Applied Machine Learning

New Stand-in Professors



Prof. Dr. Elif Bilge Kavun
Secure Intelligent Systems



Prof. Dr. Lorenz Gilch
Mathematical Data Science

Prof. Dr. Jelena Mitrovic
*Computational Rhetoric and
Natural Language Processing*



Stand-in Professors

Prof. Dr. Markus Endres
*Digital Libraries and
Web Information Systems*



Prof. Dr. Marco Kuhrmann
Software Engineering I



Legal regulations

- Summer semester will not count toward the standard duration of study (*Regelstudienzeit*)
- Examinations: no failed attempts registered

Upcoming examinations

- Exact second examination dates (for winter semester 2019/2020 and summer semester 2020) to be announced soon
- Possibility to schedule third examination date if you could not yet participate in exams. Please contact the chairs and professorships directly to communicate your situation/demand

Semester start for the winter semester

Lectures scheduled to begin on 02 November 2020
(instead of 12 October 2020)

Teaching format in the winter semester

- First-semester modules are given priority for on-site teaching
- Lectures and exercises with low participant numbers considered next
- Modules with high attendance will most likely take place virtually

New English-language master's programme planned for 2021:

Artificial Intelligence Engineering and Sustainable Computing

M.Sc. Mobile and Embedded Systems: discontinued

- Admissions permanently suspended (since winter 2019/2020)
- Programme will be closed in the near future, remaining students are encouraged to switch to the M.Sc. Computer Science programme
- Requests to change degree programmes may be filed year-round
- No more need to submit formal applications through Campusportal
- Requirement: total of 110 ECTS points from relevant computer science coursework (undergraduate studies + modules from Uni Passau)
- International Coordinator provides guidance throughout the process, please make appointments for assistance: masters@fim.uni-passau.de

General Remarks

- Planning is still in progress
- Additional courses will be available, updated presentation to be provided for download in August
- Please check Stud.IP regularly from the end of September onwards

Focus Information and Communication Systems:

- Data Science Lab (Granitzer)
- Advanced Topics in Data Science (Granitzer)
- Foundations of Energy Systems (de Meer)
- Transaction Systems (Freitag)
- Scaling Database Systems (Scherzinger)

Focus Programming and Software Systems:

- Search-Based Software Engineering (Fraser)
- Empirical Methods for Software Engineering (Kuhrmann)
- Advanced Software Product Development (Fraser, Kuhrmann)

*[in German only due to industry collaboration, please sign up on Stud.IP **this week!**]*

- Virtual Machines and Runtime Systems (Größlinger)
- Programming Styles (Gambi)

Focus IT Security and Reliability:

- Dependable Distributed Systems (Reiser)
- Advanced Security Engineering Lab (Katzenbeisser)
- Hardware-Based Security (Katzenbeisser)

Focus Algorithmics and Mathematical Modeling:

- Operator Theory (Forster-Heinlein)
- Mathematical Logic (Kaiser)
- Parametrized Algorithms (Rutter)
- Algorithmic Graph Theory and Perfect Graphs (Rutter)
- Computer Algebra (Sauer, Kreuzer)
- Stochastic Analysis (Müller-Gronbach)

Focus Intelligent Technical Systems:

- Advanced Imaging (Sauer)

Focus Algebra, Geometry and Cryptography

- Cryptanalysis (Zumbrägel)
- Computer Algebra (Sauer, Kreuzer)

Focus Mathematical Logic and Discrete Mathematics

- Mathematical Logic (Kaiser)
- Parametrized Algorithms (Rutter)
- Algorithmic Graph Theory and Perfect Graphs (Rutter)

Focus Analysis, Numerics & Approximation Theory

- Operator Theory (Forster-Heinlein)
- Topologie (Glück)

Focus Dynamical Systems and Optimization

- t.b.a.

Focus Stochastics, Statistics

- Stochastic Analysis (Müller-Gronbach)

Focus Data Analysis, Data Management & Programming

- Data Science Lab (Granitzer)

Focus Applications

- Quantitative Methoden in Finance (Entrop)

11 seminars in winter semester 2020 for various degree programmes:
(preliminary)

Prof.	Lecturer(s)	Seminar	Programme(s)
Kaiser	Kaiser	Pure Mathematics	M.Sc. CM
Rutter	Rutter	Algorithms for Planar Graphs	B.Sc. INF, IC, MA/M.Sc. INF
Scherzinger	Scherzinger	Big Data Technologies	M.Sc. INF
Kreuzer	Ngoc Long Le	Topics in Computer Algebra	B.Sc. MA, M.Sc. CM, INF
Kranz	Hölzl	Embedded Interactive Systems	B.Sc. INF, IC, MES
Fraser	Fraser	Deep Learning for Software Engineering	B.Sc./M.Sc. INF
Reiser	Eichhammer, Berger, Köstler, Taubmann	Cloud Computing	B.Sc./M.Sc. INF
Fraser	Gambi	Simulation-based Testing of Autonomous Cars	B.Sc./M.Sc. INF
Katzenbeisser	Arul, Anagnostopoulos, Püllen	Security Engineering	M.Sc. INF
Katzenbeisser	Arul, Anagnostopoulos, Püllen	Advanced Security Engineering Lab	M.Sc. INF
n/a	Held	Topics in Autonomous Driving	M.Sc. INF

- Compulsory seminars have priority over research seminars
- Decentralised registration at each single seminar (no longer registration for „main seminar“ in Stud.IP)
- General seminar information can be found at https://studip.uni-passau.de/studip/dispatch.php/course/details?show_expired=&sem_id=a0e99b689892bce783e496fd8f627bb7
- Priority assignment of slots based on progress and student preference (please cf. the information provided at the link above for details, deadline: 31 July 2020!)
- Students who cannot complete their compulsory seminars during the winter semester should sign up for the next seminar presentation in winter semester on Stud.IP event 6030 *(to be created soon)*



**Thank You for Your Attention!
Any Questions or Feedback?**