DEA Catalog Changes

In effect starting WiSe2023/2024

Changes to Special Topics in Data Analytics (B2.2)

Added:

+ [CIT4330017] Trustworthy Machine Learning Systems

+ [SOT10030] Gaze-based Human-Computer Interaction

Changes to Elective Modules Informatics

Added:

+ [NAT7022] Applications of Quantum Computing

In effect starting SoSe2023

Unfortunately, most new modules do not have a module number (=Tbd), yet.

Changes to B1.1

Added:

+ [Tbd] IT Security 2

+ [Tbd] Cloud Information Systems

Changes to B1.2

Added:

+ [Tbd] Data Structure Engineering

+ [Tbd] Data Processing on Modern Hardware

Changes to B2.2

Added:

+ [Tbd] Advanced Machine Learning

+ [Tbd] Causal Inference in Time Series

+ [CIT4230002] Advanced Natural Language Processing

Moved:

+ [IN2398] Numerical Algorithms for High Performance Computing (moved "Elective Modules of the Master Informatics" → B2.2)

Changes:

+ [IN2323] Machine Learning for Graphs and Sequential Data: split up into two courses (I & II)

Changes to B3

Added:

+ [CIT5130001] Applied Statistics and Data Analysis

+ [CIT4100003] Approximation Algorithms

Changes to C1

Added:

+ [SOT82522] Crises, Catastrophies and Exceptional Situations in Law

+ [SOT82521] Debattierkurs mit medienrechtlichen Inhalten

+ [SOT82506] The Judge and his Hacker

Changes to C2

Added:

+ [EI73141] Brain, Mind and Cognition

+ [SOT82519] Legal Issues of the Use of Artificial Intelligence

+ [SOT82530] Medienrecht und Social Media

+ [SOT82518] The Right of Data Use in Germany and Europe

+ [SOT55304] The Future of Data Governance

Likely added (decision pending):

+ [SOT55304] The Future of Data Governance

Moved:

+ [ED0179] Technology, Nature and Society (moved C1 → C2)

+ [ED00473] History of Technology in Modern Times II (moved C1 → C2)

Changes to Elective Modules Informatics

Added:

+ [CIT4330013] Design Automation and Simulation for Microfluidic Devices

+ [CIT4330012] Software for Quantum Computing

In effect starting WiSe2022/2023

Changes to B1.2

Added:

+ [CIT3230001] Code Generation for Data Processing (module number will be created mid/end of September)

Changes to B2.2

Added:

+ [CIT4330001] Machine Learning und IT-Sicherheit (no English title yet)

Changes to B3

Discontinued:

– [MA4401] Applied Regression

– [MA3402] Computational Statistics

Added:

+ [MA4402] Computational Statistics $\rightarrow$ successor of [MA3402]

Starting next summer term, we will introduce a DEA exclusive maths module "Applied Statistics and Data Analysis" (5 ECTS) for the B3 catalog section. We will add this module to the B3 catalog during the winter term.

Changes to C2

Added:

+ [IN2241] Social Computing

Changes to "Elective Modules of the Master Informatics"

Added:

+ [IN2377] Concepts of C++ Programming

In effect starting SoSe2022

Changes to B1.1

Added:

+ [IN2031] Application and Implementation of Database Systems

Changes B1.2

Added:

+ [IN2288] Event Processing

Changes B3

Discontinued:

– [MA4472] Multivariate Statistics

– [MA3502] Discrete Optimization

Added:

+ [MA5442] High-dimensional statistics → successor of [MA4472]

+ [MA3505] Integer Optimization → successor of [MA3502]

+ [MA5517] Approximation Algorithms

Changes C2

Removed:

– [SZ0488] Englisch - Gateway to English Master's C1

Added:

+ [IN2395] Legal Data Science and Informatics

+ [POL60101] Political Data Science - Project (Master)

+ [POL20401] Political Data Science - Project

+ [POL20501] Big Data Politics

+ [POL27002] Political Polarization in a Digital Era

+ [MCTS0055] Science - Society Interfaces Skills

+ [CLA21601] Ethics of Responsibility: Current Areas of Application

+ [ED0038] Technik, Wirtschaft und Gesellschaft

+ [CLA30721] Modelling and Simulation in the Engineering Sciences (An Introduction in the Philosophy of Science for Engineers)

+ [IN9044] Data Privacy