Core Modules in Communications Systems

Follow up Modules:

**Ei70240 Statistical Signal Processing, Utschick, SS**
- Ei74351 Convex Optimization, WS
- Ei70360 Machine Learning and Optimization, WS
- Ei7436 MiMO Systems, WS
- Ei70220 Digital Signal Processing, WS/SS
- Ei70380 Signal Processing and Machine Learning, SS
- Ei7433 Adaptive and Array Signal Processing, WS
- Ei7353 Multi-user Information Theory, SS

**Ei70330 Data Networking, Kellerer, WS**
- Ei7450 Analysis, Modeling and Simulation of Communication Networks, SS
- Ei7644 Communication Network Reliability, SS
- Ei7633 Optical Networks, SS
- Ei7624 Techno-Economic Analysis of Telecommunication Networks, WS
- Ei7532 Multimedia Communications, SS
- Ei 8045 Software-Defined Networking Lab, WS/SS
- Ei50471 Wireless Sensor Networks Lab, WS/SS

**Ei70320 Channel Coding, Wachter-Zeh, WS/SS**
- Ei7411 Channel Codes for Iterative Decoding, SS
- Ei71087 Coding Theory for Storage and Networks, SS
- Ei71060 Security in Communications and Storage, WS
- Ei74121 Coded Modulation, SS
- CIT4330015 Coding for Private Reliable and Efficient Distributed Learning, WS

**Ei70350 Information Theory, Kramer, WS**

*Reliability Coding*
- Ei79001 Advanced Topics in Communications Systems, SS
- Ei70320 Channel Coding, WS
- Ei7411 Channel Codes for Iterative Decoding, SS
- Ei74121 Coded Modulation, SS
- Ei74121 Machine Learning in Communications, WS

*Security and Storage Coding*
- Ei71070 Advanced Cryptographic Implementations, SS
- Ei79001 Advanced Topics in Communications Systems, SS
- EI70320 Channel Coding, WS/SS
- EI71087 Coding Theory for Storage and Networks, SS
- EI71084 IoT Security, WS/SS
- EI71029 Physical Unclonable Functions, WS
- EI71060 Security in Communications and Storage, WS

**Wireless Networks**

- EI7450 Analysis, Modeling and Simulation of Communication Networks, SS
- EI7644 Communication Network Reliability, SS
- EI71018 Machine Learning in Communications, WS
- EI7436 MIMO Systems, WS
- EI7353 Multi-User Information Theory, SS
- EI7432 System Aspects in Communications, WS

**Optical Networks**

- EI7644 Communication Network Reliability, SS
- EI71067 Digital Signal Processing for Optical Communication Systems, SS
- EI5075 Optical Communications Systems, WS
- EI7633 Optical Networks, SS

**Quantum Communication**

- EI71064 Introduction to Quantum Networks, WS/SS
- EI71073 Quantum Computers and Quantum Secure Communications, SS
- EI76471 Quantum Information Theory, SS

**EI7432 System Aspects of Communications, Viering, WS**

- EI7450 Analysis, Modelling and Simulation of Communication Networks, SS