

Assessed	x	x	x	x	x	x	x	x	x
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6. Brief list of topics to be covered

- Cellular concepts and functions in mobile networks (5 lectures)
- Standardization and evolution of mobile networks (1 lecture)
- Link-level and system-level design aspects of 2G networks; GSM evolution to GPRS and EDGE (4 lectures)
- Link-level and system-level design aspects of 3G networks; UMTS evolution to HSPA and HSPA+ (4 lectures)
- Link-level and system-level design aspects of 4G networks; LTE evolution to LTE-Advanced and LTE-Advanced Pro (4 lectures)
- Link-level and system-level design aspects of 5G networks; 5G network virtualization (4 lectures)
- Activity on analyzing and evaluating the performance of mobile networks (1 lecture)
- Recent advances in mobile networks (1 lecture)