

Nr. modul	Modul	Tutore	ore predare	ore eval.	Data	Ora
0	Introduction	Cristian PATACHIA	1		Jun-16	
1	Basics of mobile communications technologies and standards – main definitions and High Level Architectures	Marius IORDACHE	16	2		
1.1	Basic Of Mobile Communication technologies and standards, High Level Arch	Marius IORDACHE	4		Jun-16	
1.2.a	Networking - Routing	Marius IORDACHE	2		Jun-16	
1.2.b	Networking - Switching	Marius IORDACHE	2		Jun-16	
1.2.c	QoS	Marius IORDACHE	2		Jun-16	
1.2.e	Cisco IP NGN - MPLS Basics	George Boulescu - CISCO	2		Jun-16	
1.2.d	Anatomy of Core Network Elements	George Boulescu - CISCO	1		Jun-16	
1.2.f	Mobile Network Architecture Fundamentals	Laurentiu SPIRIDON - CISCO	1		Jun-16	
1.3	Layer 2 vs Layer 3 Services in Service Provider Networks	Marius IORDACHE	2		Jun-16	
1.4	Tests			2	Jun-16	
2	Advanced mobile communication technologies and standard – Radio Access Networks: GSM, UMTS, LTE, WiFi	Vlad Sorici	20	2		
2.1.a	Architecture of 2G/3G/4G Radio Acces Networks. Functions of Network Elements	Gabriel PAPUC	2		Jun-16	
2.1.b	Site - Design and Layout	Codrut SAVULESCU - HUAWEI	2		Jun-16	
2.1.c	Power budget	Codrut SAVULESCU - HUAWEI	2		Jun-16	
2.1.d	Radio interface in 2G/3G/4G Access Network- description	Codrut SAVULESCU - HUAWEI	2		Jun-16	
2.1.e	Procedures, flows, signaling : call setup , handover intra and inter 2G/3G/4G Access Network	Codrut SAVULESCU - HUAWEI	2		Jun-16	
2.1.f	Capacity of the 2G/3G/4G Access Networks - voice / data	Codrut SAVULESCU - HUAWEI	2		Jun-16	
2.1.g	Indicatorilor de performanta si aplicatii practice in GSM si UMTS/LTE	Codrut SAVULESCU - HUAWEI	2		Jun-16	
2.2.a	WiFi tehology introduction	Vlad SORICI	2		Jun-16	
2.2.b	Wi-Fi Service Provider	Vlad SORICI	4		Jun-16	
2.3	Tests			2	Jun-16	
3	Advanced mobile communication technologies and standards – Transmission Networks: PDH, SDH, MW Ethernet, FO WDM, FSO/E band; IP MPLS	Elena Oproiu	20	2		
3.1.a	MW link - tehnology : PDH/SDH/Eth	Elena Oproiu	1.5		Jul-16	
3.1.b	Design of a mw transmission network	Elena Oproiu	1.5		Jul-16	
3.1.c	Radio packet tehnology	Elena Oproiu	3		Jul-16	
3.1.d	Performance of a radio link : end to end performance	Elena Oproiu	1		Jul-16	
3.1.e	Optical Networks	Daniel Tichiu	3		Jul-16	
3.2	FTTx/GPON architectures	G.Marcu - HUAWEI	4		Jul-16	
3.3	IP/MPLS Networks	Cristian Custura	2		Jul-16	
3.4	MW&WDM technologies	Nokia	4		Jul-16	
3.5	Tests			2	Jul-16	
4	Advanced mobile communication technologies and standards – Core Networks	Lucian ISPAS	16	2		
4.1	Circuit switch	Lucian ISPAS	4		Jul-16	
4.2	IMS	Ionut Liviu CIULEI	4		Jul-16	
4.3	Packet switch	Cristian Panes	4		Jul-16	
4.4	Next generation HLR (SDM): description, functionalities: HLR, EPC HSS, IMS HSS.	Ion VOICU - ZTE	4		Jul-16	
4.5	Tests			2	Jul-16	
5	Advanced mobile communication technologies and standards – Multimedia & Smart services	Georgian FINICHIU	12	2		
5.1.1	Introduction in VAS ecosystem; architecture of a VAS service	George SOARE	0.5		Jul-16	
5.1.2	Multi VAS enablers : Intro Multi VAS, SMSC	Marius GLOD	1		Jul-16	
5.1.3	Multi VAS enablers: Voice Mail	George SOARE	1		Jul-16	
5.1.4	LBS : description of the service; high level arhitecture	George SOARE	1		Jul-16	
5.1.5	Mobile Money	Catalin LEFTER	1		Jul-16	
5.1.6	SIM cards & SIM applications	Georgian FINICHIU	1.5		Jul-16	
5.1.7	M2M : description of the service; high level arhitecture	Georgian FINICHIU	1		Jul-16	
5.1.8	Smart Home	Georgian FINICHIU	1		Jul-16	
5.1.9	Multi VAS enablers : WAP GW, USSD + Info services	Oana STANICA	1		Jul-16	
5.1.10	Info Services	Oana STANICA	0.5		Jul-16	
5.1.11	Multi VAS enablers : MMSC	Alex IONESCU	1		Jul-16	
5.1.12	DTH & TV OTT & MDM	Alex IONESCU	1.5		Jul-16	
5.2	Ericsson Networked Society	Octav BALLIF - Ericsson	4		Jul-16	
5.3	Tests			2	Jul-16	
6	Advanced mobile communication technologies and standards - Business Intelligent Platforms & Services	Irina APOSTOL	12	1		
6.1	Roaming Services	Gabriel CALIN Lucian GRUIA	2		Jul-16	
6.2	Orange TV	Gabriela BANCUIU & Andrei IONESCU	2		Jul-16	
6.3	Business One Voice	Irina APOSTOL	2		Jul-16	
6.4	Big Data. Data Mining	Stefan BOBOCESCU KESIKIS Claudiu COLESNICENCU	2		Jul-16	
6.5	Prepay Suporter	Vali CARTIS	2		Jul-16	
6.6	IT Project Management	Irina APOSTOL	1		Jul-16	
6.7	Prezentare HR	Silvia MOGOS	1		Jul-16	
6.8	Test			1	Jul-16	
7	Network Planning and network resources management	Gabriel PAPUC	16	2		
7.1	General Considerations Regarding Evolution Criteria of The Mobile Networks	Gabriel PAPUC	2		Jul-16	
7.2	Dimensioning of Radio Access Networks	Gabriel PAPUC	4		Jul-16	
7.3	Dimensioning of Transmission Network	Gabriel PAPUC	4		Jul-16	
7.4	Tools. Case study	Gabriel PAPUC	2		Jul-16	
7.5	Dimensionarea retelelor FTTH GPON	Bogdan HEBEAN - NEXANS	4		Jul-16	
7.6	Tests			2	Jul-16	
8	IT&C New Trends: Technology, Architecture, Services	Cristian PATACHIA	22	2		
8.1	Next Generation Emergency Services	Marius Iordache	2		Jul-16	
8.2	Cyber Security		2		Jul-16	
8.3	Network Function Virtualization & Software-Defined Networking	Ioana Manea - Cisco	2		Jul-16	
8.4	Internet of Things si Programabilitate	Bogdan Doinea - Cisco	2		Jul-16	
8.5	Internet of Things hands on based on Arduino and Raspberry PI	Viorel Spinu - Robofun.ro	4		Jul-16	
8.6	Big Data & API Monetization - Case Study	Cristian PATACHIA	2		Jul-16	
8.7	Mobile Network Evolution - 5G	Codrut SAVULESCU - HUAWEI	2		Jul-16	
8.7	Android Platform Architecture	Eduard Popovici - ETTI	1.5		Jul-16	
8.8	Android Development Basics	Eduard Popovici - ETTI	1.5		Jul-16	
8.9	Case Study: Simple Android Application Development (iteration 1)	Eduard Popovici - ETTI	1.5		Jul-16	
8.1	Case Study: Simple Android Application Development (iteration 2)	Eduard Popovici - ETTI	1.5		Jul-16	
8.11	Tests	Tiberiu Tabac		2	Jul-16	
9	The Economics of Telecom Networks	Nicolae OACA - ANCOM	8	1		
9.1	Telecom Market	Nicolae OACA - ANCOM	4		Jul-16	
9.2	European and International Regulations in The Telecom Field	Nicolae OACA - ANCOM	4		Jul-16	
	Test			1	Jul-16	
10	Soft skills & Patents and Inventions	Gabriel PAPUC	8	6		
10.1	Patents and Inventions	Gabriel PAPUC	2		Jul-16	
10.2	Inovation / Mentorship	Andrei PITIS - UPB	2		Jul-16	
10.3	Soft skills	Carmen ANASTASESCU	4		Jul-16	
10.4	Test - Soft skills			4	Jul-16	
10.4	Test brevete			2	Jul-16	

10:00 - 18:00

Total ore predare 150
Total ore evaluare 22
Total Ore 172

Nota: cursurile incep cu data de 21 iunie 2016