



GHANA TELECOM UNIVERSITY COLLEGE (GTUC)

**CENTRE FOR PROFESSIONAL DEVELOPMENT
IS OFFERING A FIVE DAY TRAINING PROGRAMME
IN THE COURSES LISTED BELOW**

No	PROGRAMME	DURATION/DAYS	DATE	FEES (US\$)	BRIEF DESCRIPTION	TARGET GROUP
1	Basic Understanding of Satellite Communication	5	19th-23rd January 2009	750	This course provides an intensive state-of-the-art review of satellite communications networks and applications from a system development perspective. The course details the fundamentals, architecture, and development of modern satellite networks, with emphasis on cutting-edge, interactive, and mobile applications.	Course is intended for operations, and business professionals as well as newcomers to satellite technology.
2	CDMA Technologies	5	30th March - 3rd April 2009	1,000	This course provides a technical and business overview of current and coming CDMA technologies, starting with a review of CDMA fundamentals and the 2G IS-95 standard. It then offers detailed explanations of the prominent 3G wideband CDMA implementations, including TIA cdma2000 and ETSI/ARIB W-CDMA, so that you and your organization can be ready to meet the coming challenges. since the 3G are constantly evolving, this course prepares the technical professional understand and interpret virtually any CDMA standard that is defined or that may emerge	Technical managers, consultants, communications professionals, software engineers, system engineers, network professionals, marketing and sales professionals, IT professionals, and others who plan on using, evaluating or working with CDMA wireless network, application and services.
3	Spectrum Management	5	6th - 10th April 2009	1,000	The Courses provide participants with a clear understanding of radio frequency spectrum and its management and regulation, to demonstrate how to best allocate and control frequencies, and to present how to deal with future spectrum management decisions to accommodate new technologies as they become available.	Telecommunications managers and personnel of operators, regulators, hardware providers and software providers in positions related to spectrum management issues; Managers looking to complement their skill-set by gaining a good understanding spectrum management.
4	Interconnection - The economics & Regulatory Implication	5	20th - 24th April 2009	800	The course provides an overview of interconnection principles, elements and financial regulatory frameworks; Technical issues in Interconnection (unbundling, co-location, etc), economic and financial issues (costing, pricing, tariffing); Interconnect Agreements and Negotiations, Regulatory issues (e.g. USO) will be observed.	Officers involved in Service Costing, Pricing and Tariffing; Interconnection issues and Negotiations. Staff from Regulatory authorities in charge of Economic matters, Pricing, Tariffing, Interconnection and Dispute Resolution.
5	Multi Protocol label Switching (MPLS)	5	18th - 22nd May 2009	950	MPLS concepts and Applications. How MPLS can support VPN's and Traffic Engineering. Also identifies different services that are upgraded by use of MPLS. Work is 50% practicals using PCs connected to Lab in Canada via high speed internet	Technical staff in telecom operators (fixed and mobile), and ISP's involved with managing IP network and providing business services, or in charge of Service Quality
6	Voice over Internet Protocol VoIP	5	22nd - 26th June 2009	1,000	Delivered in two parts. Part One is Introduction to VOIP Technology, covering fundamental concepts of VOIP and practical (30% of course). Part two covers SIP Technologies, network configuration, interoperability, site management. This part is 60% practical, experimenting with real-world experiences.	Network Professional planning and operating voice and data communications networks. Knowledge with TCP/IP networks and conventional voice networks a pre-requisite.
7	Introduction to Wireless - Networking	5	19th - 24th July 2009	1,000	Covers a wide range of Wireless Networking Technologies, from WLAN to fixed and fixed wireless Technologies, Bluetooth, Satellite Communications. Also include a Module on WIMAX	Network Professional responsible for the planning and / or operation of Wireless Network.
8	Next Generation Networks	5	17th - 25th August 2009	1,000	Understanding of the new telecoms architecture and services of NGN Networks, Insights into telecom operator Business Models, Exploring Business Case Scenarios of different Network combinations in the transitioning to Next Generation Networks.	Network engineers, Business Development Manager, Strategic Planning, Investment Managers. Minimum previous exposure of knowledge of NGN and Broadband technology is recommended. Workshop focuses on business issues and economical impact of the technological evolutions
9	Interconnection	5	21st - 25th September 2009	750	Overview of interconnection principles, elements and financial regulatory frameworks; Technical issues in interconnection (unbundling, co-location, etc) economic and financial issues (costing, pricing, tariffing); Interconnect Agreement and Negotiations, Regulatory Issues (eg USO)	Officers involved in service Costing, Pricing and Tariffing; Interconnection Issues and Negotiations. Staff from Regulatory authorities in charge of Economic matters, Pricing, Tariffing, Interconnection and Dispute Resolution.
10	Dispute Resolution in the Telecoms Sector	5	19th - 23rd October 2009	750	Highlights the importance of effective dispute resolution for sector growth and effective regulation. Introduction to Dispute resolution; Dispute resolution techniques; current dispute resolution approaches; improving dispute resolution in Telecoms (eg From dispute resolution to problem solving). Looks at Dispute Resolution Approaches, Techniques, Practices and Timescales in other Jurisdictions, eg. EU, FCC	Telecoms Policy makers, regulatory authorities and for operators whose dispute has to be resolved. Participants must be at levels senior enough to influence decision making within their organizations.
11	Mobile Application	5	23rd - 27th November 2009	800	This course examines the development of next generation IP applications and services. Upon successful completion of the programme, participants will be able to understand the new and upcoming developments of interactive media and applications such as mobile media, including mobile TV, social computing / Wb 2.0, and IPTV.	Mobile operators, Administrators and Planners