



GHANA INSTITUTION OF ENGINEERS (GHIE)

2018 TENTATIVE COURSES AND SEMINARS

No.	TOPIC	PROPOSED DATE	COURSE CONTENT	RESOURCE PERSON	COST / PERSON
1.	Construction Management Course	Feb 20 - 21	<ul style="list-style-type: none"> • Types of contracts • Bidding and award procedures • Construction planning and scheduling • Dispute resolution • Insurance and bonds • Construction management versus general contracting • Construction budgets, cost estimating and control • Monitoring Financial control systems • Safety • Estimations of bills of quantity and reporting 	Ing. Daniel K. Bainson BSc. Civil, MSc Birmingham UK, FGhIE, He has over 32 years' experience in Construction Management.	GH¢1,200
2.	Engineering Week Celebrations	March		GhIE	
3.	Microsoft Projects Management	April 10 - 12	<ul style="list-style-type: none"> • Getting Started with Microsoft Project • Creating a Project Plan • MS Pro • Project Advanced Topics • Managing Tasks in a Project Plan • Using Task drivers • Finalizing the Project Plan • Managing Resources in a Project Plan • Using My Computer within Project • Creating Reports • Creating Visual Reports 	Mrs Jean Beeko	GH¢1,500
4.	Structural Integrity Investigations (Buildings and Roads)	April 25 - 26	<ul style="list-style-type: none"> • Concept of technical audit in association with Structural Integrity Assessment • Detailed structuring of the Integrity Assessment • Physical Observations – first point of assessment • Material Observation (Material tests) – various states of the material strengths 	Ing. Joshua Nii Moilai Allotey MSc-Civil Eng., MGhIE, S.E., M.ASCE Specialised in Structural / bridge Engineering.	GH¢1,200

			<ul style="list-style-type: none"> Analytical Observation (Analysis and redesign) – how was the structure before and after loading? How should it have been in its minimum state of strength, according to the applicable codes? Deductions – from test and analysis results Conclusions and discussions Recommendations – retrofitting or reconstruction? Various methods of retrofitting Audit and retrofit of structures that have been subjected to fire (burnt buildings) 		
5.	Contracting in Public Utilities	May 2 - 3	<ul style="list-style-type: none"> Introduction to Contracts Understanding Key Clauses Controlling Variation Orders Managing Claims Dispute Resolution 	<p>Ing. Isaac Bedu Bsc in Civil Engineering, MBA in Project Management. IAPM Certified Project Manager with 20 years' experience.</p> <p>Ing. Francis Kyere, BSc. Civil Engineering;</p>	GH¢1,200
6.	Maintenance Planning and Scheduling	May 22 - 24	<ul style="list-style-type: none"> Planning and Scheduling Overview/Orientation/Role of other department Material Management Planning and Scheduling Shut-down Preventive Maintenance Maintenance Fundamentals Performance Measurement and Management Maintenance Fundamentals Planning Systems Work Oder Planning Backlog Management Maintenance Scheduling 	<p>Kyere-Frempong Emmanuel</p> <p>M.Sc. Energy Technology</p> <p>Professional Certificate in Logistics and Supply Chain management from Arcada University of Applied Sciences, Finland,</p>	GH¢1,500
7.	Building Maintenance and Facility Management	May 15 - 17	<ul style="list-style-type: none"> Introduction to facilities Management Services Maintenance Strategically Plan maintenance for all services Manage Energy and Environmental issues Keep tenants & Users safe Security and Safety systems 	<p>Architect Harold Evans</p> <p>Ing Joseph W. Ainguah</p> <p>Ing Vuha and Eugene Sai Cofie</p>	GH¢1000

			<ul style="list-style-type: none"> • Handling complaints • Keeping tenants and users safe in the facility • Strategically Plan Security in the facility • Building Maintenance • Facilities Management 2 • Space Management Minimizing Waste • Asset Register Management • Janitorial Services 		
8.	Grounding	May 22 - 24	<ul style="list-style-type: none"> • Roles, principles and importance of grounding • Grounding requirements for LV distribution systems • Key design considerations • Important criteria for grounding assessment • Grounding standards • Measurement theory – earth resistance vrs earth resistivity • How to reduce earth resistance 	Mr. Lucas Burgesson Certified Solar PV Trainer and a Principal Training Instructor with the VRA Academy in Power Transmission Lines	GH¢1,500
9.	Technical Report Writing	May 30 - 31	<ul style="list-style-type: none"> • Report Structure and Formats • Writing Style and Language • Presentation of Information • Textual (Descriptive)-Graphical, Numerical and Types of Summary 	Dr. Kobby Mensah, PhD from the University of Sheffield, UK. He is a leading expert in Communication,	Gh¢850
10.	Health Safety & Environment (HSE) Internal Audit Training (3 days)	May 29 - 31	<ul style="list-style-type: none"> • General Electrical Safety • Electrical Safety (cont.) • Exercise / Discussions • Safe Excavations / Works Permit System • Work Permit System • Work on High / Low Voltage Systems • Control of Hazardous Energies • Safe Installation of Gensets • Video on Safe Electrical Work Practices 	Ing. Ben Richard Aniagyei, Past President of GhIE Degree in Mechanical Engineering KNUST. He has over 30 years working experience in the field.	GH¢1,500
11.	Technical Report Writing Skills for Maintenance & Production Staff	June 5 - 6	<ul style="list-style-type: none"> • Technical report writing essentials • Setting tone and style • Organizing your thoughts • Writing specialist documents • The report writing process 	Kyere-Frempong Emmanuel M.Sc. Energy Technology Professional Certificate in Logistics	GH¢1,300

			<ul style="list-style-type: none"> Using data effectively The final draft of the report 	and Supply Chain management from Arcada University of Applied Sciences, Finland,	
12.	Contract Administration & Management	June 12 - 13	<ul style="list-style-type: none"> Law of Contract Contract Formulation & Preparation Tender Pricing & Procedures Tender Evaluation & Negotiation Contract Administration Variation Orders, Claims & Settlements of Disputes 	Hon. David Opon-Kusi. FGhIS Surv. James Klu. FGhIS Ing. Kwesi Abbey Sam. FGhIE Lawyer Effiba Amihere	GH¢1,200
13.	Preventive Maintenance Essential Care & Condition Monitoring (PM/ECCM)	June 19 - 20	<ul style="list-style-type: none"> Why PM is Important Developing the PM Program Identifying the Equipment to include in the PM Program How to Develop PM Requirements for the Equipment How to Develop PM Task Sheets Determining the Skill Requirements for PM Tasks Determining the parts Requirements for PM Tasks Determining the Scheduling Requirement for PM Tasks Executing PM Tasks Consistent PM Program Follow-up PM performance management 	Kyere-Frempong Emmanuel M.Sc. Energy Technology Professional Certificate in Logistics and Supply Chain management from Arcada University of Applied Sciences, Finland,	GH¢1,300
14.	Fire Safety Design – Principles and Practice	June 12 - 13	<ul style="list-style-type: none"> Design Principles for fire prevention: Architectural Design Electrical Design Structural Design Fire Fighting Techniques 	Architect Harold Evans Ing. John M. Addo. MGhIE Ing. Joshua Allotey Mr. D.S. Afful	GH¢850
15.	Electrical Safety	June 19 - 20	<ul style="list-style-type: none"> General Electrical Safety Electrical Safety (cont.) Exercise / Discussions Safe Excavations / Works Permit System Work Permit System Work on High / Low Voltage Systems 	Ing. Ben Richard Aniagyei, Past President of GhIE Degree in Mechanical Engineering KNUST. He has over 30 years working	GH¢1,000

			<ul style="list-style-type: none"> Control of Hazardous Energies Safe Installation of Gensets Video on Safe Electrical Work Practices 	experience in the field.	
16.	Electrical Motors And Controls Maintenance	June 26 - 28	<ul style="list-style-type: none"> Components of a Motor Control Circuit Common Motor Circuits Variations on the Motor Control Circuit Preventive/Predictive Maintenance Standards Troubleshooting Control Circuits 	<p>Kyere-Frempong Emmanuel</p> <p>M.Sc. Energy Technology</p> <p>Professional Certificate in Logistics and Supply Chain management from Arcada University of Applied Sciences, Finland,</p>	GH¢1,600
17.	Site Supervision	July 3	<ul style="list-style-type: none"> Duties and responsibilities of a Site Engineer Preparation and writing of site report Quality control 	<p>Ing. Joshua Nii Moilai Allotey</p> <p>MSc-Civil Eng., MGhIE, S.E., M.ASCE</p> <p>Specialised in Structural / bridge Engineering.</p>	GH¢500
18.	Construction Supervision Reporting	July 4 - 5	<ul style="list-style-type: none"> Preliminaries: code issues, guidelines, why do we do construction supervision, legal requirements, etc. Field/Project Site confirmatory geotechnical engineering Testing procedures for concrete, aggregates, steel reinforcement, steel members, timber, etc. Case study: Construction supervision report for Concrete, Reinforced Concrete & Masonry Buildings Case study: Construction supervision report for steel and timber buildings 	<p>Ing. J.N. Allotey , MSc-Civil Eng.</p> <p>Ing. J.T. Obeng, BSc Civil bSc</p> <p>Ing. Robert Owoo, BSc Civil</p>	GH¢1,200
19.	Root Cause Analysis	July 10 - 11	<ul style="list-style-type: none"> Overview/understanding Root Cause Failure Analysis Root Cause Failure Analysis problem solving tools Brainstorming Processes Why-Why analysis, Tree Diagram & Fishbone Diagram How Root Cause Failure Analysis Works 	<p>Kyere-Frempong Emmanuel</p> <p>M.Sc. Energy Technology</p> <p>Professional Certificate in Logistics and Supply Chain management from Arcada University of Applied Sciences, Finland,</p>	GH¢1,300

20.	Designing with Auto CAD Civil 3D 2011	July 24 - 26	<ul style="list-style-type: none"> • Working with Points • Surfaces • Alignment • Profiles • Corridor 	Ing. Bernard Owusu BSc. Civil Engineering, MSc. Road and Transportation Engineering,	GH¢1,500
21.	Construction Management Course	Aug 1 – 2	<ul style="list-style-type: none"> • Types of contracts • Bidding and award procedures • Construction planning and scheduling • Dispute resolution • Insurance and bonds • Construction management versus general contracting • Construction budgets, cost estimating and control • Monitoring Financial control systems • Safety • Estimations of bills of quantity and reporting 	Ing. Daniel K. Bainsong BSc. Civil, MSc Birmingham UK, FGHE, He has over 32 years' experience in Construction Management.	GH¢1,200
22.	Quantity Surveying for Engineers	Aug 7 - 8	<ul style="list-style-type: none"> • Brief Introduction to Quantity Surveying • Measurement Procedure • Work Example • Preliminary Estimating Methods • Detail Estimating 	Suveyor Kodjor Hohoabu A principal consulting quantity surveyor.	GH¢850
23.	Differential Protection Schemes for Different Application	Aug 15 – 16	<ul style="list-style-type: none"> • Fundamentals of differential protection • Differential protection application to transformers and motors • Differential protection application to busbar • Differential protection application to transmission lines and feeders 	Ing. Akim Tijani, Akim BSc in Electrical / Electronic Engineering, KNUST, MEng, Texas A&M University, an MPA , GIMPA, and a certified International Project Manager. Over 18 years' experience. Ing. Kwaku Sarpong BSc in Electrical/Electronic Engineering from KNUST, MSc in Electrical Power Engineering, Norwegian University of Science and Technology, MBA and MPA ,GIMPA.	GH¢1,500

				And a certified International Project Manager. Over 18 years' experience.	
24.	Metering	Aug 21 - 23	<ul style="list-style-type: none"> • Basic concept of metering • Types of metering and application • Types of energy meters on the market • Common operational problems with energy meters • Metering standards being applied in Ghana • Key considerations when buying energy meters • Smart meters 	Dr. George Eduful	GH¢1,500
25.	Grounding	Aug 28 – 30	<ul style="list-style-type: none"> • Roles, principles and importance of grounding • Grounding requirements for LV distribution systems • Key design considerations • Important criteria for grounding assessment • Grounding standards • Measurement theory – earth resistance vrs earth resistivity • How to reduce earth resistance 	Mr. Lucas Burgesson Over 29 years in the field	GH¢1,500
26.	OSHA Guide to Electrical Safety	Sept 18 – 19	<ul style="list-style-type: none"> • Importance of Electrical Safety • Hazard Identification and Control per OSHA guidelines • Selection and use of protective devices • Electric shocks and electrocution • Tips for Electrical Safety 	Ing. Kofi Amoako Asiedu Bsc Electrical, KNUST, MPA GIMPA.	FGH¢1,000

Reservations may be made by:

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