

Engineering Courses

Clerk Of Works (Electrical) Course No: 410/106

Aim of Course	Outline of Syllabus	Remarks
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To instruct Non Commissioned Officers in the duties of a Military Clerk of Works (Electrical).

- Each student gains a thorough knowledge of the theoretical and practical applications of Electrical Engineering including:
- Switch gear and lighting schemes.
 - Discrimination and protective devices.
 - Internal and external wiring.
 - Transformers, rectifiers and sub-stations.
 - High and low voltage overhead line and power-cable distribution networks.
 - Aeronautical ground lighting and traffic control systems
 - All generators, motors and starters including control techniques
 - Operational and supervisory experience on direct engine generating plant
 - Basic mechanical engineering including water supply and treatment, boiler-house practice, pumping engines, heating, ventilation, refrigeration and air conditioning, plus control aspects
 - Managerial training in site supervision, organisation of work and labour, maintenance techniques, and contract procedures
 - Understand conditions of contracts and contract procedures
 - Basic appreciation of Civil Engineering
 - Project Planning and Management
 - Quality control of all electrical works, including the direct supervision of electricians.

Rank Range	Entry Standards	Duration	Qualifications gained	Frequency
Corporal to Staff Sergeant	IELTS level 5.5. Experience equivalent to a Royal Engineers' Class 2 qualification as an Electrician or Draughtsman Electrical & Mechanical. Preferably Class 1.	97 weeks	University of Greenwich Foundation Degree in Electrical Engineering	1 course per year

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