

Diploma in Electrical Engineering

Course Code: 1604322170

Commencement: 2016/09/05

Application Deadline: 2016/08/31

This course is under DSEJ Continuing Education Development Scheme 2014-2016. For more information, please refer to the back.

Description

In response to practical needs of professional development, CCE and CEM are decided to launch a one-year diploma programme in electrical engineering. The programme mainly covers a range of topics including calculus, circuit analysis, fundamental electronics, probability and statistics, engineering mathematics, and electric machines. This programme is prerequisite for the Higher Diploma in Electrical Engineering which will be launched later. The student who has completed this Diploma will be eligible to apply for the one year Higher Diploma in Electrical Engineering. The one year Higher Diploma in Electrical Engineering has six 42-hour courses in total of 252 hours. The following courses will be included: Numerical Method and Computation; Power System Analysis; Power Quality and Energy Saving; Signals and Systems; Power Electronics; Project and Field Study.

* The one year Higher Diploma in Electrical Engineering is subject to approval and sufficient number of enrolled students.

Objective

On the completion of the programme, the students will be able to:

- Have the ability to think in a critical and evaluative manner and to consider a broad perspective, in order to solve generic technical and engineering problems;
- Have a thorough ground in the fundamentals of mathematics and science in electrical and electronics engineering;
- Perform a range of electrical engineering duties with minimum supervision.

Learning Format

The diploma is built on a broad-based foundation in electrical, electronic and power engineering. Students will obtain knowledge and skills in electrical design and electrical installation, and power system analysis. Student needs to complete six 42-hour courses in part-time evening mode.

Requirement

A candidate must have passed senior high school standard or equivalent.

Lecture

2016/09/05 – 2017/05/10

Date(s)/time

Monday, Wednesday & Thursday, 19:00 - 22:00

Assessment Method

The assessment is based on assignment and examination

Lecture Hours

252 hours

Tuition Fee

MOP24,000

Application Fee

MOP100

Instructing

Language: English, supplemented with Cantonese

Language and

Materials: English teaching materials

Materials

Diploma Electrical Engineering Lab Manual

Mark Steyvers



Diploma Electrical Engineering Lab Manual:

ES 402 : Electrical Engineering Lab Manual Wayne M. Hope,2000 **Experiments In Basic Electrical Engineering** S.K. Bhattacharya,2007 It Has Often Been Experienced That Students Are Required To Perform Experiments On Certain Topic Before The Relevant Theory Has Been Taught In The Class A Laboratory Manual Which In Addition To A Set Of Instructions For Performing Experiments Includes Related Theory In Brief Could Help Students Understand Experiments Better In Response Of Demand From A Large Number Of States For An Appropriate Laboratory Manual In Basic Electricity And Electrical Measurements The T T T I Chandigarh Has Prepared This Manual Which Has Been Tried Out In Various Polytechnics And Improved Based On The Feedback The Basic Objective Of The Manual Is To Encourage Students To Perform Experiments Independently And Purposefully The Manual Organises The Information To Enable The Students To Verify Known Concepts And Principles And To Follow Certain Procedures And Practices And Thereby Acquire Relevant Skills Detailed Instructions For Carrying Out Each Experiment Alongwith Relevant Theory In Brief Have Been Given The Objectives For Performing An Experiment Have Been Included At The Beginning Of Each Experiment A List Of Questions Given At The End Of Each Experiment Will Help Students Evaluate His Own Understanding The Manual Also Includes Guidelines For Students And Teachers For Its Effective Use An Assessment Proforma Given At The Beginning Of The Manual May Be Used By The Teachers In Evaluating The Students **The Complete Lab Manual for Electricity** Stephen L. Herman,2008-02-25 The Complete Laboratory Manual for Electricity 3rd Edition is a valuable tool designed to fit into any basic electrical program that incorporates lab experience This updated edition will enhance your lab practices and the understanding of electrical concepts From basic electricity through AC theory transformers and motor controls all aspects of a typical electrical curriculum are explored in a single volume Each lab features an explanation of the circuit to be connected with examples of the calculations necessary to complete the exercise and step by step procedures for conducting the experiment Hands on experiments that acquaint readers with the theory and application of electrical concepts offer valuable experience in constructing a multitude of circuits such as series parallel combination RL series and parallel RC series and parallel and RLC series and parallel circuits Important Notice Media content referenced within the product description or the product text may not be available in the ebook version Elements of Electrical Engineering George Defrees Shepardson,1922 Electrical Engineering Lab M. Riaz,1966 **Laboratory Manual for Introductory Electronics Experiments** L. K. Maheshwari,M. M. S. Anand,1979 **The Complete Laboratory Manual for Electricity** Stephen L. Herman,2004-12 The Complete Laboratory Manual for Electricity 2E is the ultimate preparation resource for any curriculum dedicated to training electricians From basic electricity through AC theory transformers and motor controls all aspects of a typical electrical curriculum are explored in a single volume Hands on experiments that acquaint students with the theory and application of electrical concepts offer valuable experience in constructing a multitude of circuits such as series parallel

combination RL series and parallel RC series and parallel and RLC series and parallel circuits Each lab features an explanation of the circuit to be connected with examples of the calculations necessary to complete the exercise and step by step procedures for conducting the experiment Labs use generic equipment and devices commonly found in most hardware stores and electrical supply houses and a materials list details the components necessary to perform all of the exercises

Electrical Engineering Laboratory Manual Raiz,1986 **Electrical Engineering Laboratory Manual. By S. Parker Smith [with the Assistance of M.G. Say and E. Bradshaw.]**. Stanley Parker SMITH, Eric BRADSHAW, Maurice George Say,1933 Basic Electrical and Electronics Engineering Laboratory Manual Jaspreet Singh,2021-05-19 basic electrical and electronics laboratory manual for engineering and diploma in engineering courses **First Designs in Electrical Engineering** , Basic Electrical Engineering Joseph A. Keleman, Western Michigan University,1967 Laboratory Manual for Basic Electrical Engineering Indian Institute of Technology. Electrical Engineering Dept. Curriculum Development Cell,1978 *Electrical Engineering Laboratory Manual. Machinery. (Measurements.)*. Stanley Parker Smith,1933 *Electrical Engineering Laboratory Manual ...* Lester Elmer Beck,1946 *Electrical Engineering Laboratory Manual* C.W. Ricker, **Electrical Engineering Laboratory Manual** Memorial University of Newfoundland. Faculty of Engineering and Applied Science, H. M. Grant,1968 A Laboratory Manual for Students of Electrical Engineering George Forster, California Institute of Technology. Division of Engineering and Applied Science,1926 **Electrical Engineering Laboratory Manual** Elmer Harry Schulz,1939 Electrical Engineering Laboratory Manual L. E. Beck,1943

Unveiling the Magic of Words: A Report on "**Diploma Electrical Engineering Lab Manual**"

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Table of Contents Diploma Electrical Engineering Lab Manual

1. Understanding the eBook Diploma Electrical Engineering Lab Manual
 - The Rise of Digital Reading Diploma Electrical Engineering Lab Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Diploma Electrical Engineering Lab Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Diploma Electrical Engineering Lab Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Diploma Electrical Engineering Lab Manual
 - Personalized Recommendations
 - Diploma Electrical Engineering Lab Manual User Reviews and Ratings
 - Diploma Electrical Engineering Lab Manual and Bestseller Lists

5. Accessing Diploma Electrical Engineering Lab Manual Free and Paid eBooks
 - Diploma Electrical Engineering Lab Manual Public Domain eBooks
 - Diploma Electrical Engineering Lab Manual eBook Subscription Services
 - Diploma Electrical Engineering Lab Manual Budget-Friendly Options
6. Navigating Diploma Electrical Engineering Lab Manual eBook Formats
 - ePub, PDF, MOBI, and More
 - Diploma Electrical Engineering Lab Manual Compatibility with Devices
 - Diploma Electrical Engineering Lab Manual Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Diploma Electrical Engineering Lab Manual
 - Highlighting and Note-Taking Diploma Electrical Engineering Lab Manual
 - Interactive Elements Diploma Electrical Engineering Lab Manual
8. Staying Engaged with Diploma Electrical Engineering Lab Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Diploma Electrical Engineering Lab Manual
9. Balancing eBooks and Physical Books Diploma Electrical Engineering Lab Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Diploma Electrical Engineering Lab Manual
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Diploma Electrical Engineering Lab Manual
 - Setting Reading Goals Diploma Electrical Engineering Lab Manual
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Diploma Electrical Engineering Lab Manual
 - Fact-Checking eBook Content of Diploma Electrical Engineering Lab Manual
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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