

14 Fees For Electrical Engineering At Unisa

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Engineering News-record CRC Press

Real-world engineering problems are rarely, if ever, neatly divided into mechanical, electrical, chemical, civil, and other categories. Engineers from all disciplines eventually encounter computer and electronic controls and instrumentation, which require at least a basic knowledge of electrical and other engineering specialties, as well as associated economics, and environmental, political, and social issues. Co-authored by Charles Gross—one of the most well-known and respected professors in the field of electric machines and power engineering—and his world-renowned colleague Thad Roppel, Fundamentals of Electrical Engineering provides an overview of the profession for engineering professionals and students whose specialization lies in areas other than electrical. For instance, civil engineers must contend with commercial electrical service and lighting design issues. Mechanical engineers have to deal with motors in HVAC applications, and chemical engineers are forced to handle problems involving process control. Simple and easy-to-use, yet more than sufficient in rigor and coverage of fundamental concepts, this resource teaches EE fundamentals but omits the typical analytical methods that hold little relevance for the audience. The authors provide many examples to illustrate concepts, as well as homework problems to help readers understand and apply presented material. In many cases, courses for non-electrical engineers, or non-EEs, have presented watered-down classical EE material, resulting in unpopular courses that students hate and senior faculty members understandingly avoid teaching. To remedy this situation—and create more well-rounded practitioners—the authors focus on the true EE needs of non-EEs, as determined through their own teaching experience, as well as significant input from non-EE faculty. The book provides several important contemporary interdisciplinary examples to support this approach. The result is a full-color modern narrative that bridges the various EE and non-EE curricula and serves as a truly relevant course that students and faculty can both enjoy.

Proceedings of the American Institute of Electrical Engineers Cambridge University Press
An author subject index to selected general interest periodicals of reference value in libraries.

University of Michigan Official Publication CRC Press

Like the earlier editions, this text begins by deriving finite elements for the simplest familiar potential fields, then advances to formulate finite elements for a wide range of applied electromagnetics problems. A wide selection of demonstration programs allows the reader to follow the practical use of the methods.

The Spectator Elsevier
Vols. for 1887-1946 include the preprint pages of the institute's Transactions.

Readers' Guide to Periodical Literature

The 2016 International Conference on Automotive Engineering, Mechanical and Electrical Engineering (AEMEE 2016) was held December 9-11, 2016 in Hong Kong, China. AEMEE 2016 was a platform for presenting excellent results and new challenges facing the fields of automotive, mechanical and electrical engineering. Automotive, Mechanical and Electrical Engineering brings together a wide range of contributions from industry and governmental experts and academics, experienced in engineering, design and research. Papers have been categorized under the following headings: Automotive Engineering and Rail Transit Engineering. Mechanical, Manufacturing, Process Engineering. Network, Communications and Applied Information Technologies. Technologies in Energy and Power, Cell, Engines, Generators, Electric Vehicles. System Test and Diagnosis, Monitoring and Identification, Video and Image Processing. Applied and Computational Mathematics, Methods, Algorithms and Optimization. Technologies in Electrical and Electronic, Control and Automation. Industrial Production, Manufacturing, Management and Logistics.

University of Illinois at Urbana-Champaign

Electrical Engineer's Reference Book, Fourteenth Edition focuses on electrical engineering. The book first discusses units, mathematics, and physical quantities, including the international unit system, physical properties, and electricity. The text also looks at network and control systems analysis. The book examines materials used in electrical engineering. Topics include conducting materials, superconductors, silicon, insulating materials, electrical steels, and soft irons and relay steels. The text underscores electrical metrology and instrumentation, steam-generating plants, turbines and diesel plants, and nuclear reactor plants. The book also discusses alternative energy sources. Concerns include wind, geothermal, wave, ocean thermal, solar, and tidal energy. The text then looks at alternating-current generators. Stator windings, insulation, output equation, armature reaction, and reactants and time-constraints are described. The book also examines overhead lines, cables, power transformers, switchgears and protection, supply and control of reactive power, and power systems operation and control. The text is a vital source of reference for readers interested in electrical engineering.

Spangenberg's Steam and Electrical Engineering in Questions and Answers

This is a collection of theses completed to fulfill B.S. requirements in the College of Engineering, University of Wisconsin from 1895 to 1962.

Annual Catalogue

Proceedings of the 2nd International Conference on Systems, Control and Informatics (SCI 2014)Proceedings of the 2nd International Conference on

Electronics, Signal processing and Communications (ESPCO 2014)Proceedings of the 1st International Conference on Robotics and Mechatronics, Structural Analysis (ROMESA 2014)Proceedings of the 2nd International Conference on Education and Modern Educational Technologies (EMET 2014)

Oxford University Gazette

Bachelor's Theses

Annual Report of the Hydro-Electric Power Commission of Ontario

The Electrician and Electrical Engineer

Finite Elements for Electrical Engineers

The Louisiana Planter and Sugar Manufacturer

General Catalog

The Navy List

New York Review of the Telegraph and Telephone and Electrical Journal

University of Illinois Bulletin

Government-wide Index to Federal Research & Development Reports

Electrical Engineer