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# ELECTRICAL

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## JOURNEYMAN ELECTRICIAN EXAM REVIEW ELPT 2001 (ELPT 2014)

Preparation for journeyman electrician licensure with emphasis on calculations and the National Electrical Code (NEC). Students taking this course should have some electrical experience. Students will be able to recognize and properly utilize formulas used to solve problems for direct current and alternating current application including single-phase and three-phase; describe proper materials and wiring methods used for wiring; explain license requirements of various jurisdictions and the procedures for applying and testing for licensure; and identify important test-taking skills. This is not a beginning electrical course. Textbooks are required. Students should purchase the 2014 soft-bound edition of the National Electrical Code and the 2014 Texas Electricians Practice Exams and Study Guide; Ray Holder, ISBN: 978-1-935834-07-6. Non-programmable calculator with square root key is also required. Small classes mean personal attention to you toward passing the electrical exam. This class is not a continuing education class for license renewal. (32 hours)

## MASTER ELECTRICIAN EXAM REVIEW ELPT 1001 (ELPT 2015)

A study of electrical theory, code calculations, and interpretations applicable to becoming a master electrician. This is not a basic electrical course. Emphasis is on residential, commercial, and industrial installations rules and laws using the current edition of the National Electric Code (NEC) and local ordinances. Students will use circuit analysis techniques to solve for unknowns in direct current (DC) and alternating current (AC) circuits; utilize the NEC to size conductors, raceways, over-current protection, and other equipment for branch circuits; utilize the NEC to size services for single-family dwellings, multi-family dwellings, offices, stores, schools, mobile homes, recreational vehicles, commercial cooking equipment, and motors; and differentiate the rules and regulations of different cities relating to meeting the requirements for taking the Master Electrician's Exam and identify important test-taking skills. Textbooks are required. Students should purchase the 2014 soft-bound edition of the National Electrical Code and the 2014 Texas Electricians Practice Exams and Study Guide; Ray Holder, ISBN: 978-1-935834-07-6. Small classes mean personal attention to you toward passing the electrical exam. A calculator is required. This class is not a continuing education class for license renewal. (32 hours)

Terrell

| Course | Days | Time         | Dates            | Room | Tuition | Instr.  |
|--------|------|--------------|------------------|------|---------|---------|
| 19934  | T    | 6 to 8:30 pm | Feb. 7 to Mar. 2 | TBA  | \$225   | Werning |
| 19936  | T    | 6 to 8:30 pm | Feb. 7 to Mar. 2 | TBA  | \$225   | Werning |

## Kaufman

| <b>Course</b> | <b>Days</b> | <b>Time</b> | <b>Dates</b>      | <b>Room</b> | <b>Tuition</b> | <b>Instr.</b> |
|---------------|-------------|-------------|-------------------|-------------|----------------|---------------|
| 19935         | T           | 6 to 9 pm   | June 6 to Aug. 22 | TBA         | \$225          | Werning       |
| 19447         | T           | 6 to 9 pm   | June 6 to Aug. 22 | TBA         | \$225          | Werning       |