

**RED ROCKS COMMUNITY COLLEGE  
ELECTRICAL INDUSTRIAL/COMMERICAL  
FIRST DAY HANDOUT  
EIC-130 National Electrical Code I**

**I. INSTRUCTORS: Rich Thatcher**

Office Room # 2618      Office telephone # 303-914-6509

**II. ATTENDANCE**

- A. Class is scheduled from 9:00 pm to 3:30 pm on Saturdays. 2/4-3/25
- B. Attendance will count toward your grade.
- C. If you have to miss a class, you are responsible to make arrangements to make up any missed work.
- D. All tests will be taken in class.
- E. The Fourth week of class, we will have our mid-term test. It will cover our NEC assignments and all our in class work to that point. The final will be the Last week of class and will consist of all assigned work and all in class work.
- F. Mid-term and Final cannot be made up. If you will miss the test day you must make **arrangements before** the test date to take it.

**III. Grading Criteria**

- |                                 |                    |
|---------------------------------|--------------------|
| A. All tests- MID 25% FINAL 25% | 50% of final grade |
| B. Attendance-                  | 15% of final grade |
| C. Workbook homework            | 35% of final grade |

Dates to turn in bubble sheet homework assignments will be given in class.

**Grade Scale**

- A = 90-100
- B = 80-89
- C = 70-79
- D = 60-69

**VI Textbook Required**

- A. National Electrical Code 2014 or 2017
- B. Understanding The N.E.C. Workbook by Mike Holt

## How to Answer Questions in Your Workbook

If you purchased the textbook read the unit in your textbook to get background knowledge of that part of the code. Then answer your workbook questions using *only your codebook*. *That is all you will have when you take your tests.*

*You will need 2Plus hours a week minimum of study time per week for this class. If you can not give yourself this amount of time----- do not take this class.*

### Example:

Label 1<sup>st</sup> bubble sheet Homework #1 And so on 3,4,5,6,7,8,9,10,11,12,13,14

- |                                  |                              |
|----------------------------------|------------------------------|
| 1. Start PAGE. 2 QUESTION. 1     | - End PAGE. 14 QUESTION. 71  |
| 2. Start PAGE. 14 QUESTION. 72   | - End PAGE. 24 QUESTION. 50  |
| 3. Start PAGE. 24 QUESTION. 51   | - End PAGE. 43 QUESTION. 2   |
| 4. Start PAGE. 44 QUESTION. 3    | - End PAGE. 57 QUESTION. 56  |
| 5. Start PAGE. 57 QUESTION. 57   | - End PAGE. 70 QUESTION. 45  |
| 6. Start PAGE. 70 QUESTION. 46   | - End PAGE. 80 QUESTION. 145 |
| 7. Start PAGE. 80 QUESTION. 146  | - End PAGE. 96 QUESTION. 76  |
| 8. Start PAGE. 96 QUESTION. 77   | - End PAGE. 111 QUESTION. 3  |
| 9. Start PAGE. 112 QUESTION. 4   | - End PAGE. 129 QUESTION. 2  |
| 10. Start PAGE. 129 QUESTION. 3  | - End PAGE. 153 QUESTION. 23 |
| 11. Start PAGE. 153 QUESTION. 24 | - End PAGE. 167 QUESTION. 51 |
| 12. Start PAGE. 167 QUESTION. 52 | - End PAGE. 187 QUESTION. 1  |
| 13. Start PAGE. 188 QUESTION. 2  | - End PAGE. 188 QUESTION. 11 |

Fill out all information in # 2 pencils only. Mark only one answer. If you erase make sure it is completely gone. Fill in circles completely. **Do not X or check** your answer sheet! **Do not make any other marks on the lower part** of the bubble sheets that may be picked up by scanner. Write any information you may want to above number lines. Please write Homework sheet # in space labeled (test # number). **WRITE YOUR NAME ON IT**

### Academic Integrity

The College is an academic community. Its fundamental purpose is the pursuit of knowledge. Like all other communities, the College can function properly only if its members adhere to clearly established goals and values. Essential to the fundamental purpose of the College is the commitment to the principles of truth and academic honesty.

Accordingly, The Student Code of Conduct is designed to ensure that the principle of academic honesty is upheld. Everyone associated with the College's academic community has a responsibility for establishing, maintaining, and fostering academic integrity. Anyone who becomes aware of an incident of academic dishonesty should report the occurrence to a faculty member, department chair, or administrator. Those committing academic dishonesty will be subject to disciplinary actions which may include failing the assignment and/or the course, and/or being suspended or expelled from the college. Disciplinary procedures are outlined in Student Code of Conduct. Guidelines for the definition of cheating (Article I.I.) and plagiarism (Article I.J.) can also be found in the Student Code of Conduct.

**The following are some principles associated with academic integrity:**

- Cite (give credit for) words and/or ideas that are not your own
- Use information, computer programs, others' work, study aids, and/or other materials only when permitted by your instructor
- Remove materials from the library, labs, and other college facilities only when an official representative of the college grants permission
- Use copyrighted materials only with permission
- Refuse to help anyone commit an act of academic dishonesty
- Use only the resources specifically allowed when completing a test or other assignment

**RRCC SYLLABUS DISABILITY STATEMENT**

**ADAAA (Americans with Disabilities Act Amendments Act of 2008) and Section 504 of the Rehabilitation Act of 1973:** Red Rocks Community College is committed to access for students with disabilities. If you are a student with a disability and need assistance or are interested in requesting accommodations, please contact Accessibility Services. Faculty are not obligated to provide accommodations without proper notification by Accessibility Services and accommodations are not retroactive. Students may contact the Access staff by telephone or email to make an intake appointment at 303-914-6733, 720-372-1591(VP) or [Accessibility Services](mailto:access@rrcc.edu) access@rrcc.edu. Accessibility Services is located in Suite 1182 at the Lakewood campus. More information is available at the [Accessibility Services website](http://www.rrcc.edu/accessibility-services): www.rrcc.edu/accessibility-services.

**MANDATORY REPORTING STATEMENT**

Our College is committed to preserving a safe and welcoming educational environment for all students. As part of this effort, I have an obligation to report certain issues relating to the health and safety of campus community members. I must report to the appropriate College officials any allegation of discrimination or harassment. Sexual misconduct, which includes sexual harassment, non-consensual sexual contact, non-consensual sexual intercourse, and sexual exploitation, is considered a form of discrimination.

In addition to reporting all discrimination and harassment claims, I must report all allegations of dating violence or domestic violence, child abuse or neglect, and/or credible threats of harm to yourself or others. Such reports may trigger contact from a College official who will want to talk with you about the incident that you have shared. In almost all cases, it will be your decision whether you wish to speak with that individual. If you would like more information, you may reach the Title IX/EO Coordinator: D. **Arnie Oudenhoven, Executive Director of Human Resources/Title IX Administrator, 303-914-6298** or [Arnie Oudenhoven](mailto:arnie.oudenhoven@rrcc.edu) (arnie.oudenhoven@rrcc.edu)

Reports to law enforcement can be made at the Red Rocks Campus Police Department behind the Welcome Desk at the Main Entrance or [RRCC Dispatch](mailto:rrpd.dispatch@rrcc.edu) (rrpd.dispatch@rrcc.edu) at 303-914-6394.

If you would like a confidential resource, please contact **Deborah Houser, Assistant Director of Human Resources/Deputy Title IX Administrator, 303-914-6224** or [Deborah Houser](mailto:deborah.houser@rrcc.edu) (deborah.houser@rrcc.edu)

Further information may be found on the college [Human Resources website](http://www.rrcc.edu/human-resources/sexual-misconduct):  
<http://www.rrcc.edu/human-resources/sexual-misconduct>.

## STUDENT HANDBOOK

The [RRCC Student Handbook](http://www.rrcc.edu/student-life/handbook) is your most current source of dates, resources, contacts, and policies: <http://www.rrcc.edu/student-life/handbook>.