Oklahoma State University Institute of Technology
Face-to-Face Common Syllabus
Fall 2019

HVLP 1132 HIGH VOLTAGE LINEMAN SAFETY - CRN - 60233
Pole top rescue, bucket truck rescue, and the many safety hazards that exist, including heat exhaustion, heat stroke, insect bite or stings in the High Voltage industry are covered. Administering first aid, training opportunities that must occur, and the proper use of different types of fall protection are studied.

Course Purpose: Introduce the students to what hazards are in High Voltage line work and how to perform the job safely.

Type of Course: (Theory/Lab)

Credit Hours: 2; Total clock hours of theory per semester: 30;
Total clock hours of lab per semester: 20;

Class Length: 1st half

Class Days and Times: MTWRF 2:00pm - 3:25pm

Prerequisites: None

Instructor Name: Pete Salter
Instructor Phone: (405) 567-9258
Instructor Email: psalter@okstate.edu

Office: Bldg. 600 Room #2

Contact: My preferred method of contact is Email. Please allow 24-48 hours to return your correspondence during the normal work week.

Instructor's Office Hours: 7:30 Am – 9:30 Am

School Name: Engineering & Construction Technologies
School Main Phone: 918-293-4742

Required Text, References, and Materials

Texts: None
References: Company safety manuals
Materials: Materials needed including notebooks, writing utensils.
Uniform/Tools: Climbing tools/Equipment, Hard Hat, Leather Gloves, Safety Glasses

Estimated Cost for Materials: $10.00
Estimated Cost for Uniform/Tools: $1500.00
Optional Resources: N/A
Upon completion of the course, students should:

<table>
<thead>
<tr>
<th>Course Objectives</th>
<th>Assessment of Objectives</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Demonstrate Safety and speed on Pole top rescue.</td>
<td>*Timed Assessment test</td>
</tr>
<tr>
<td>*Classify electrical job hazards for any given scenario.</td>
<td>*Timed Assessment test</td>
</tr>
<tr>
<td>Demonstrate an understanding of how to correctly use appropriate safety practices and protective equipment.</td>
<td>Observation assessment</td>
</tr>
<tr>
<td>Demonstrate an understanding of basic First Aid procedures.</td>
<td>Observation assessment</td>
</tr>
</tbody>
</table>

Aspects of the course objective assessments may be used in the university’s assessment of student learning. If applicable, an asterisk (*) above indicates this assignment is used in the university assessment program.

*(Please asterisk the assignment above if utilized for the assessment assignment.)*

**Course Activities**

In this course students will:

- Participate in class discussions and activities.
- View videos that depict the various concepts.
- Contribute to a course Service Learning project.
- Participate in group and individual presentations.
- Compile a portfolio of work produced.
- Take examinations.
- Complete reading assignments.
- May be required to do quizzes.

**Evaluation - Grades will be based on the quality and completion of these tasks:**

<table>
<thead>
<tr>
<th>Task</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Pole Top Rescue</td>
<td>30%</td>
</tr>
<tr>
<td>Participation and Attendance</td>
<td>10%</td>
</tr>
<tr>
<td>Unit Exams</td>
<td>10%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>50%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100</strong></td>
</tr>
</tbody>
</table>

*The student’s grade for this assignment will be used in the university’s assessment of student learning. A 70% competency or higher receives a Pass rating. This Pass/Fail rating is independent of the student’s course grade.*
Daily and/or weekly quizzes, small weekly assignments and similar type projects: Normal return time to student by next class meeting or no later than one (1) week.

Extensive assignments, large lab projects, extensive quizzes, exams and similar type projects: Normal return time to students in one (1) to two (2) weeks.

**Recommended Student Competencies/Skills**

Pole climbing skills will be used.

**Authorized Tools**

Students may use any/all course materials, including books and notes, while participating in classroom activities. All quizzes and written assignments are to be completed independently; no collaboration with classmates is permitted and any instance of such will be considered academic dishonesty.

**Late Work**

No late work is accepted, unless excused absence defined under definitions listed in this syllabus. Excused absences will require proof as listed under definitions in this syllabus. Be sure to always contact instructor as soon as possible for any missed class time. Any student desiring to make up any class time or testing will be determined under the discretion of the instructor and may include pole climbing assignments designed by the instructor.

**Testing**

Testing Daily, weekly, or surprise quizzes, Extensive quizzes, Extensive assignments, Exams and similar type projects are due at time of testing. **NO MAKEUP** of any type testing will be given except for excused absences identified under definition listed in this syllabus. Excused testing will be made up as soon as possible, coordinated by the student and instructor. **All students must complete all quizzes throughout the class course to qualify to take the final**

**Other Lab and Classroom Policies**

**Proper attire:** proper attire will be worn to safety class. Work pants (NO SHORT PANTS OF ANY TYPE!), T-Shirt or long sleeve shirt (NO SLEEVE LESS SHIRT EVER!), Long sleeve shirt will be worn while climbing, Work boots. Hats will be removed during class. **Climbing tools/equipment, hand tools, hard hats, safety glasses, leather gloves, and boots.**

**Pay particular attention to #12 #13 on the following list.** Thank you! HVLP Instructors, OSUIT. #1…No cursing at all! Inside or outside
#2…Long sleeve shirt when climbing and in bucket truck
#3…Hard hat, safety glasses, work gloves at all times
#4…Rubber gloves, sleeves and lanyard when in the bucket
#5…Rubber gloves and fall restraint when climbing
#6…Check and inspect all poles before climbing and working out bucket truck
#7…Work boots and pants, in class and outside
#8…No call, text or e-mail in if you are going to be late or not coming to class
#9…At least a pair of Klein’s, channel locks or crescent on your person at all times when doing outside labs
#10…When vehicles are being backed, a person or persons will be backing the driver at all times
#11…No tobacco, drugs or alcohol
#12…No Pole Yard activities allowed (no pole climbing) from 7:30 am to 7:30 am the following day, unless OSUIT High Voltage Lineman Faculty is onsite and has given permission for that activity, which would be for that one time & that date.
#13…Students must be 100% tied off to the pole 100% of the time.

**Syllabus Attachment**
View the Syllabus Attachment, which contains other important information, by visiting https://osuit.edu/center/files/19-20-syllabus-attachment.pdf

<table>
<thead>
<tr>
<th>Course Schedule</th>
<th>Topic</th>
<th>Assignment</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Day /Week # 1 RF</td>
<td>Go over syllabus, class requirements, tool check, begin pole top and bucket operation.</td>
<td>Lab: Pole top and bucket rescue.</td>
<td>Entire week</td>
</tr>
<tr>
<td>Day/Week # 2 MTWRF</td>
<td>Timed pole top and bucket rescue.</td>
<td>Lab Exam #1, Practice Timed rescue</td>
<td>Entire week Test on Fri. 09/13/2019</td>
</tr>
<tr>
<td>Day/Week # 3 MTWRF</td>
<td>Importance of safety in High Voltage, FR clothing, Electrical flash and burns, First Aid</td>
<td>Lab MTWRF Exam #2 Practice Timed rescue</td>
<td>Entire Week Test on Fri. 09/20/2019</td>
</tr>
<tr>
<td>Day/Week # 4 MTWRF</td>
<td>Harnesses, Safety during operation of Heavy Equipment-bucket truck and line truck.</td>
<td>Lab Exam #3 Practice Timed rescue</td>
<td>Entire Week Test on Fri. 09/27/2019</td>
</tr>
<tr>
<td>Day/Week # 5 MTWRF</td>
<td>Hydration and Heat, Insect and reptile bites, Good Samaritan laws, OSHA.</td>
<td>Lab Exam #4 Practice Timed rescue</td>
<td>Entire Week Test on Fri. 10/04/2019</td>
</tr>
<tr>
<td>Day/Week # 6 MTWRF</td>
<td>Rubber goods, Hot sticks, Equipment dielectric testing</td>
<td>Lab Exam #5 Practice Timed rescue</td>
<td>Entire Week Test on Fri. 10/11/2019</td>
</tr>
<tr>
<td>Day/Week # 7 MTWRF</td>
<td>Clearances, Lock-out tag-out, Grounding, Flagging, Tail boards.</td>
<td>Lab Pole Top Recue Exam</td>
<td>Entire Week Test on Fri. 10/18/2019</td>
</tr>
<tr>
<td>Day/Week # 8 MTWRF</td>
<td>Review course, review for final, make-up climbing assignments.</td>
<td>Lab Pole Top Recue Exam Final Written Exam</td>
<td>Test on Wednesday 10/22/2019</td>
</tr>
</tbody>
</table>

Schedule is subject to change at instructor discretion.