

## ELWT1120 - Field Construction II

Credits:	3 (0/3/0)
Description:	This course covers the installation of multi-phase high voltage systems under actual field conditions. The overhead section will cover structure assembly including grounding, structural guying, conductor installation including stringing and tying, multi-phase transformer installation, capacitor installation, regulator installation, and the use of protective cover-up material and hot sticks. The underground section will cover multiple cable installation, primary and secondary cable termination, three-phase pad mount transformer installation and multi-phase sectionalizing cabinet installation.
Prerequisites:	
Corequisites:	
Pre/Corequisites*:	<ul style="list-style-type: none"> <li>• ELWT1118</li> </ul>
Competencies:	<ol style="list-style-type: none"> <li>1. Construct two phase overhead construction project.</li> <li>2. Construct three phase overhead construction project.</li> <li>3. Design and install multi-phase overhead construction staking sheet and project.</li> <li>4. Demonstrate installation of protective cover up material.</li> <li>5. Install personal protective grounds.</li> <li>6. Participate in live line training project.</li> <li>7. Display professional conduct.</li> <li>8. Design three phase overhead capstone project</li> <li>9. Construct three phase overhead capstone project</li> </ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.