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| **Topic:** Lock out/Tag out | **Sub Topic:** Machine Guarding |
| **Duration:** 1 Hour | **Resources:** [**LOTO Fact Sheet**](https://www.osha.gov/sites/default/files/publications/factsheet-lockout-tagout.pdf)**,** [**Machine Guarding**](https://www.osha.gov/machine-guarding)  [**Control of Hazardous Energy**](https://www.osha.gov/control-hazardous-energy) |
| **Equipment:**   * PPE * LOTO locks, tags | **Videos:** [**Panduit LOTO**](https://youtu.be/smOwQtcgdWA)  [**Big 5 Mistakes**](https://youtu.be/X4BbgwVJZYA) |
| **Topic Description:**  This lecture covers lock out tag out (LOTO) safety.  Special emphasis will be placed on engineering controls, work practice controls and inspections.  **Learning Outcomes:**  Upon successful completion of this lecture, students will be able to:   * Determine the Scope and Application of Standard 1910.147. * Identify the elements of an effective Lockout/Tagout program. * Review the employee role and responsibilities in an effective Lockout/Tagout program. * Relate aspects of machine guarding requirements to LOTO program requirements.   **Activity:**    Step 1         Students partner in groups of 2-4 to watch video Big 5 Machine Guarding Mistakes  Step 2    Students identify primary methods of guarding for machines/tools they have operated.  Step 3         Student groups to associate a seven common accident cause to a big 5 machine guarding mistake.  Step 4         Have students share thoughts on how the method of guarding impacts the potential for injury. | |