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## SECTION HEADING

### ELWT 2110: Turbine Siting and Construction

#### Description

Turbine Siting and Construction introduces students to the various aspects of wind turbine in wind farm siting, construction, and commissioning. Students will be engaged in observation and discussions on the use of heavy equipment such as cranes, rigging, tower assembly, and a wind tower production facility being brought on-line.

#### Credits

3

#### Topics to be Covered

1. Identify and understand the development of a wind farm.
2. Siting and rigging for construction of a wind farm.
3. Steps to developing a wind farm.
4. Construction of a wind farm.
5. Investigate the development of documents in different stages of a wind farm completion.
6. Use of different rigging options.
7. Investigate the siting development of a wind farm.

#### Learning Outcomes

1. Describe the development of a wind farm
2. Operate the rigging training system.
3. Demonstrate the importance of safety at a wind farm.
4. Operate a wind farm simulator.
5. Operate a wind turbine simulator.
6. Investigate the construction of a wind farm.

#### Credit Details

Lecture: 2

Lab: 1

OJT: 0