

# EE303 — Energy Systems and Power Electronics

## Lecture 13. Per unit analysis & Electric power generation

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# Today's objectives

- **DESCRIBE** an elementary machine
- **EXPLAIN** the creation of a rotating magnetic field in a three-phase machine

# Reading material

The material we covered today corresponds to:

- Module G1, pp. 40–58 of the class notes
- Chapter 12.1, pp. 309–313 of textbook
- Chapter 12.4, pp. 339–358 of textbook
- Supplementary notes on synchronous generators (available online)