

# EEEN20090 Electrical Energy Systems Labs

## Safety Instructions

### General lab guidelines

- Carry out the experiments in such a way that nobody will be injured or hurt.
- Carry out the experiments in such a way that the equipment will not be damaged or destroyed.
- Read the handout and procedures before starting the experiments.
- Follow all written and verbal instructions carefully. If you do not understand the instructions, the handouts and the procedures, ask the lab demonstrators.
- The workplace has to be tidy after the experiment.
- No food or drinks are allowed in the lab.

### Electrical lab safety

- The labs are very dangerous, due to the presence of high voltages (risk of electric shock) and powerful rotating machinery (risk of mechanical failure/injury).
- Have the connection checked by the lab demonstrators before switching on.
- Switch off the supply if you make changes to the experiment even when the voltage is low.
- After the lab session, switch off every supply, disconnect and tidy up all leads.

### Rules of conduct in case of emergency

- First: calm down.
- Second: warn persons at risk and punch the emergency shutdown.
- Third: inform the instructor and call UNICARE emergency line 01 716 7999.
- If the fire alarm sounds, evacuate the building via the fire stairs.
- In the event of injury or accident, your first aider is Luke Dalton located in Room 231. Also, a cardiac defibrillator is located in the main concourse on floor 1.