

## **EE255 - Single Phase Transformer**

### **Pre-lab preparations**

When you come to the lab, please bring the answers to the following questions.

- (1) Draw an equivalent circuit (referred to primary side) of a single phase transformer.
- (2) Briefly mention physical significance of each element in the equivalent circuit.
- (3) What parameters can be obtained from open circuit test? Briefly explain calculation procedure.
- (4) What parameters can be obtained from short circuit test? Briefly explain calculation procedure.

### ***References:***

1. *V.K. Mehta and R. Mehta, "Principles of electrical engineering and electronics"*
2. *S.J. Chapman, "Electric machinery fundamentals"*