

# TRANSFORMER PHASING

## SHORT DESCRIPTION OF COURSE AND EXPECTED COMPETENCIES

Students will, after passing the prescribed exam:

1. Have a clear understanding of phasing principles.
2. Be able to apply the phasing principles in their outputs, keeping in mind;
  - Safety of persons
  - Safety of plant and apparatus
  - Continuity of supply to the customer
3. Perform phasing on transformers.

## COURSE CONTENT:

**NOTE: THIS COURSE WILL INCLUDE CONTENTS OF BASIC PHASING COURSE PLUS THE FOLLOWING:**

1. **VECTORS AND 3 PHASE SYSTEMS**
2. **PHASE SEQUENCE AND PHASE ROTATION METERS**
3. **POLARITY AND POLARITY TESTING**
4. **TRANSFORMER VECTOR ROTATION**
5. **PARALLEL OPERATION OF TRANSFORMERS**
6. **DEMONSTRATION MODEL (SIMULATOR)**
7. **PRACTICAL ASPECTS OF PHASING**
8. **REFERENCES FOR FURTHER READING**

<b>DURATION OF COURSE</b>	1 Week	<b>MINIMUM STUDENTS</b>	5
<b>EXPECTED PASS MARK</b>	80%	<b>MAXIMUM STUDENTS</b>	15
<b>TARGET POPULATION</b>	AUTHORISED PERSONS		

**TO ATTEND THE ABOVE COURSE/S THE STUDENT MUST MEET THESE MINIMUM REQUIREMENTS:**

1. A MINIMUM OF 6 MONTHS ON JOB EXPOSURE TO PLANT AND APPARATUS AND MUST HAVE PASSED THE O. R. H. V. S. COURSE.
2. STUDENTS MUST BE IN POSSESSION OF, AND UP TO DATE, REGULATION BOOK.
3. STUDENTS WILL BRING PEN, PENCIL, RULER, CALCULATOR AND WRITING PAD TO THE COURSE.
4. STUDENTS MUST BE ON TIME TO START THE COURSE.
5. MUST BE LITERATE IN THE ENGLISH LANGUAGE (MINIMUM LEVEL 3 ABD).

**EXAMS/TESTS WILL BE DONE ON: THE MORNING OF THE LAST DAY – COVERING THE WHOLE COURSE.**