

PROGRAMME AIMS

The Diploma in Biotechnology programme will produce balance, ethical and enterprising TVET graduates that possess a command of biotechnology knowledge and hands-on skills through coordinated industry engagement, and are capable to adapt and embrace themselves with the continuous technological advancement in biological sciences and related technologies and able to undertake challenges in the field of biotechnology.

PROGRAMME EDUCATIONAL OBJECTIVES

The Diploma in Biotechnology should produce balanced TVET graduates who are biotechnologists or biotechnology practitioners who:

PE01

apply basic knowledge, understanding and technical skills of biotechnology in assisting, managing and providing solution for biotechnology issues and challenges with appropriate biohazard and occupational safety management

PE02

integrate values, attitudes, professionalism and social skills in engaging with society and stakeholder

PE03

alternately adopt the roles of a leader and a team member and communicate effectively in assisting to provide scientific creative solutions for biotechnology problems

PE04

engaged in activities to embark entrepreneurial skills for career advancement and innovatively assist to manage resources and information

PROGRAMME LEARNING OUTCOMES

Upon completion of the programme, students should be able to:

PL01

apply fundamental knowledge of mathematics, life sciences and applied sciences to assist in providing solutions to biotechnology issues

PL02

utilize technical skills acquired through laboratory experience competently with appropriate biohazard and occupational safety management, as well as able to collect and interpret experimental data, and write simple report according to requirements independently

PL03

demonstrate social skills and responsibilities towards problems arising in biotechnology

PL04

display positive values, ethics and accountability when engaging with society

PL05

demonstrate effective communication skills among peers in biotechnology field and able to alternate role as a leader and member of diverse teams

PL06

analyse issues and solutions in biotechnology by employing appropriate and relevant scientific approaches

PL07

exhibit good information management in data processing using appropriate computer application and lifelong learning skills

PL08

adopt entrepreneurial and good managerial skills in projects related to biotechnology field

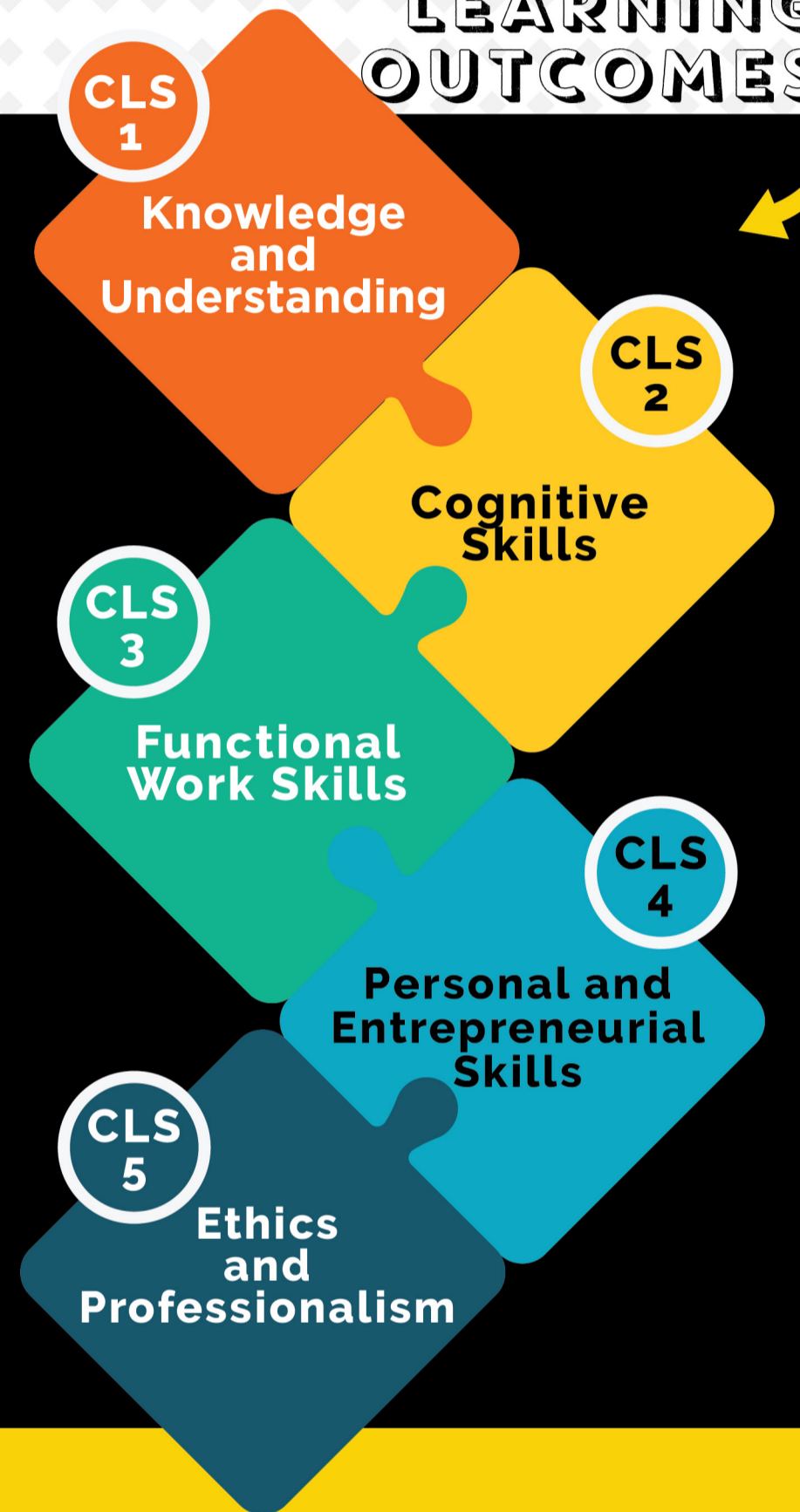


IT'S NOT WHAT WE TEACH
IT'S WHAT YOU **LEARN**

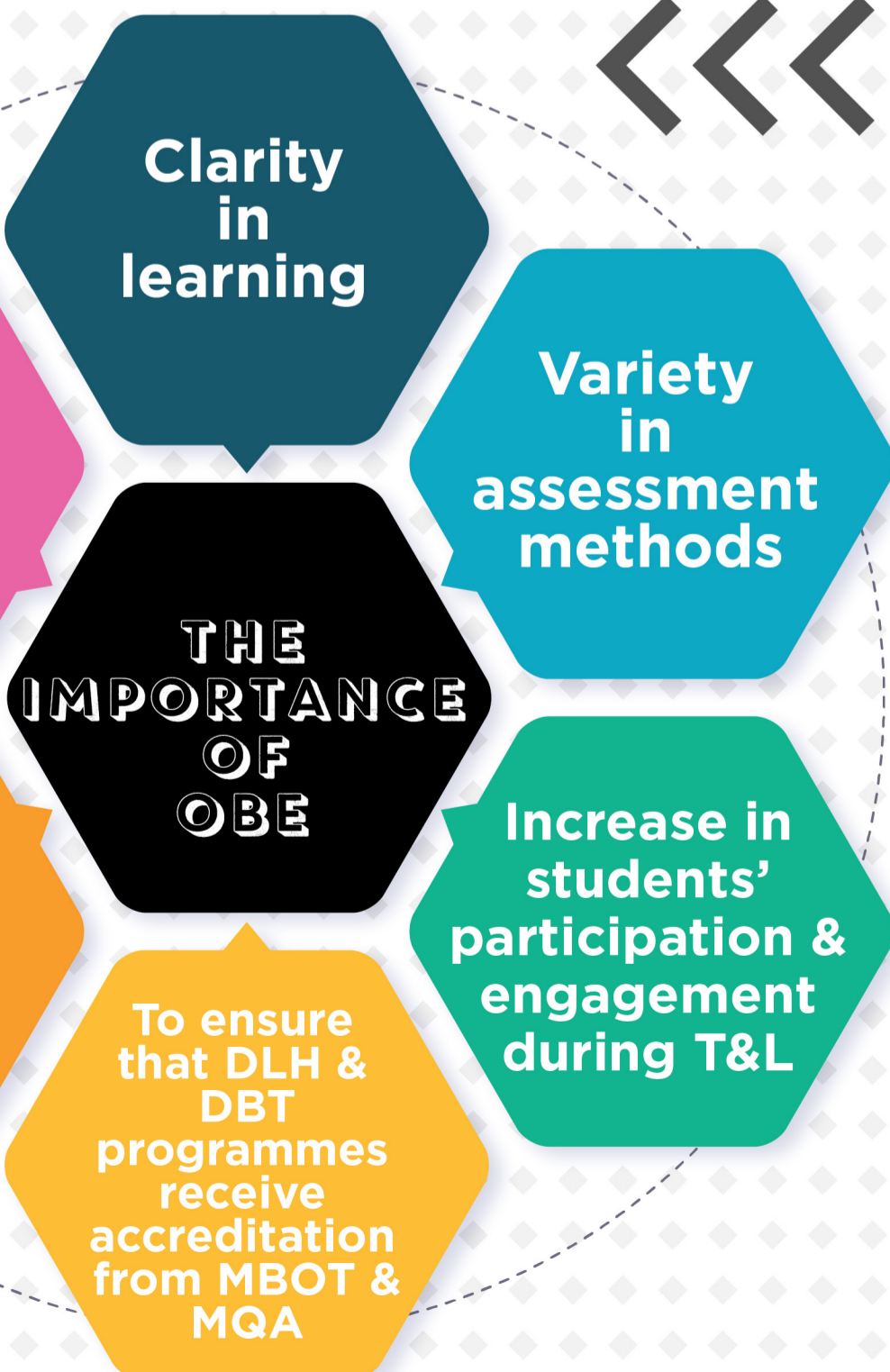
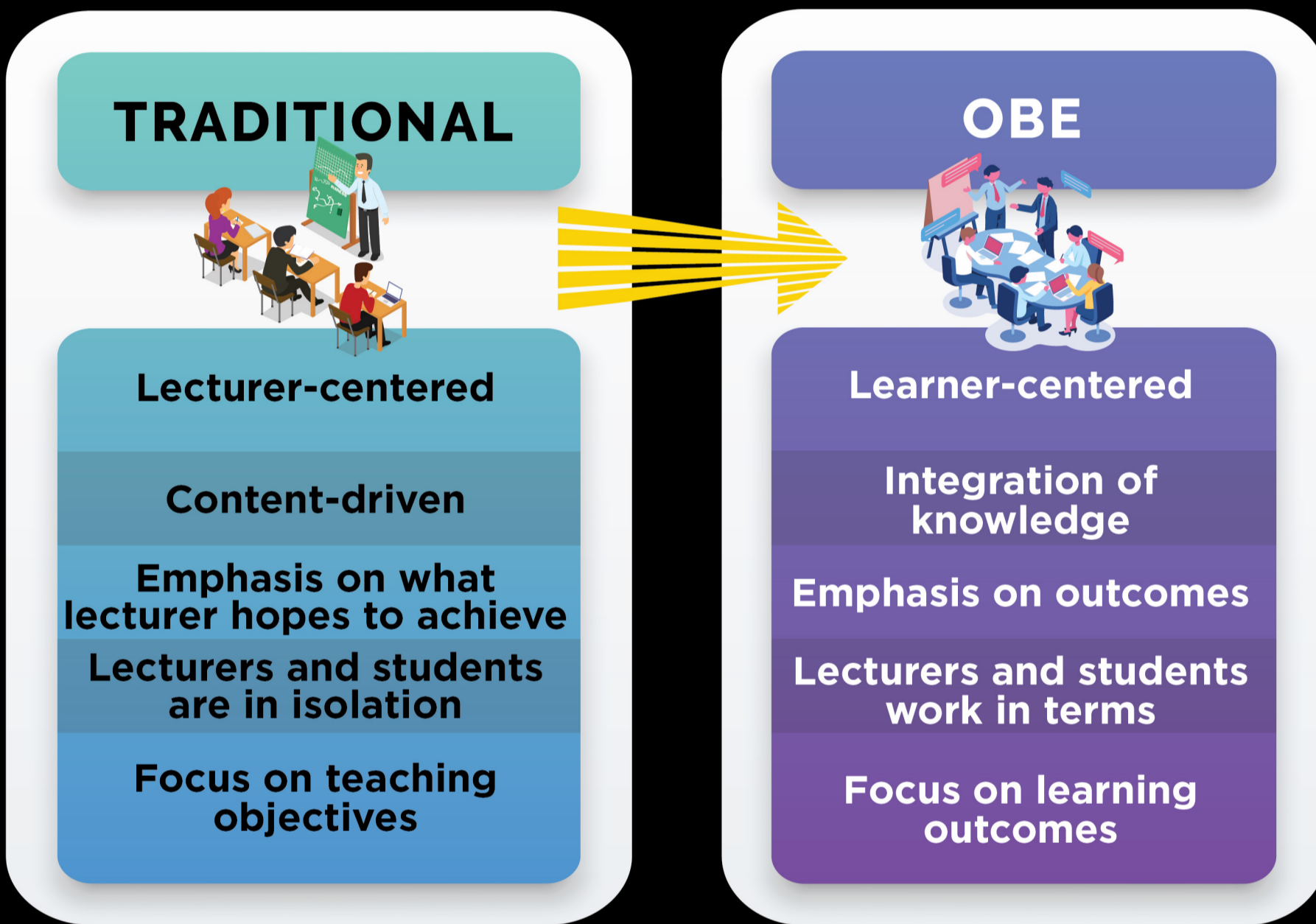
OBE OUTCOME-BASED EDUCATION

- An education approach which centres on **achieving outcomes**.
- An outcome is the highest demonstration of learning: **what learners will be able to demonstrate**.
- Outcomes are not contents; they are **performances**.

LEARNING OUTCOMES



FROM TRADITIONAL EDUCATION TO OBE



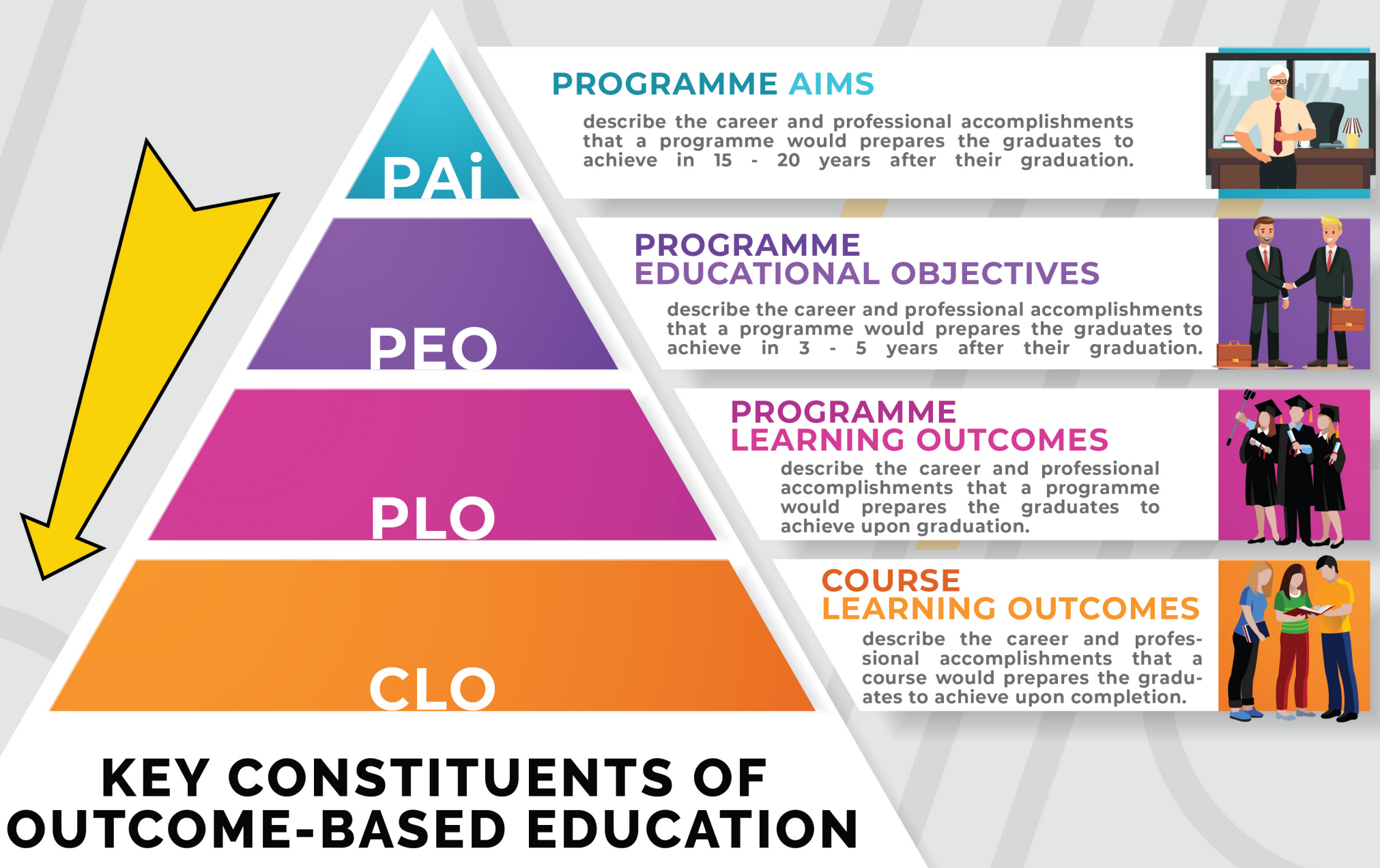
THE PHILOSOPHY OF OBE



What do you want your students to learn?
The goals and learning outcomes

How do you want your students to learn?
Teaching and learning methods are in line with learning outcomes (LO)

How do you assess your students' performances?
Assessments and standards are in line with students' ability



Your Roles as a Student

Be active during your lecture

Identify and improve your ability to check your understanding of what you have learned

Strive to improve your knowledge and skills set

Give any feedback regarding your learning experience

Give cooperation during learning process