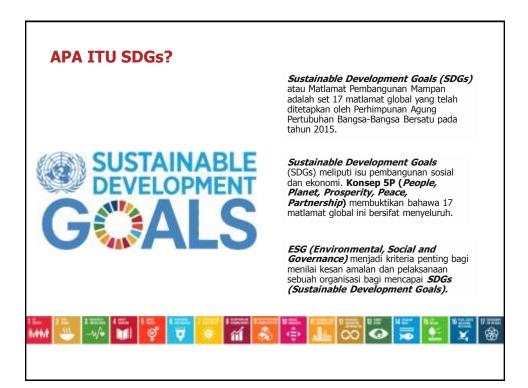


LEARNING OL	JTCOMES			3
01	02	03	04	05
SDG Able to explain what SDG is	Content and Delivery Able to identify appropriate content and delivery related to SDG	Content and Delivery Able to plan one's own course based on CLOs to include SDG in TLA	Content and Delivery Able to present possible TLAs with the group	Recap Able to discuss the content of the training





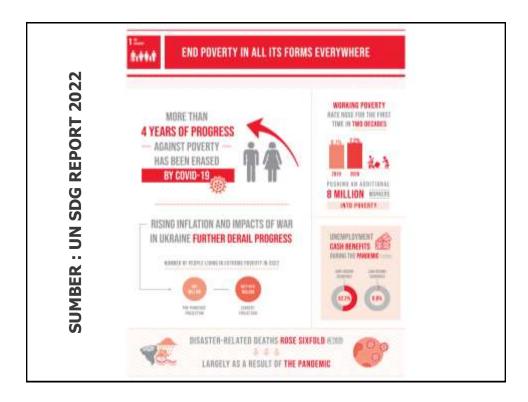


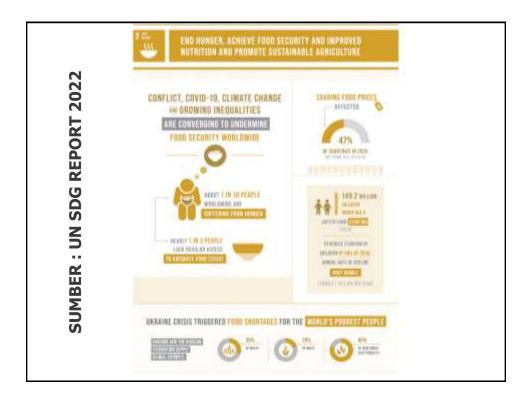


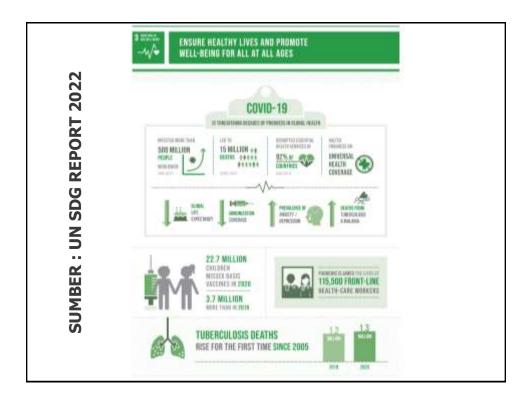


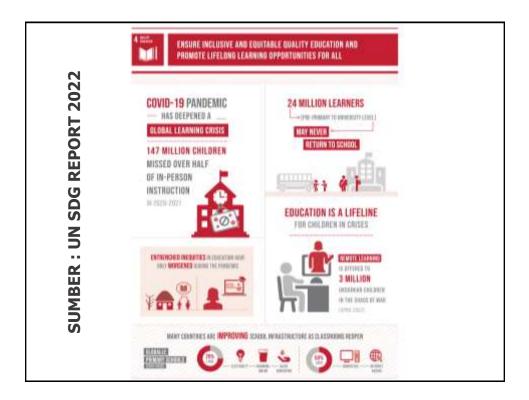


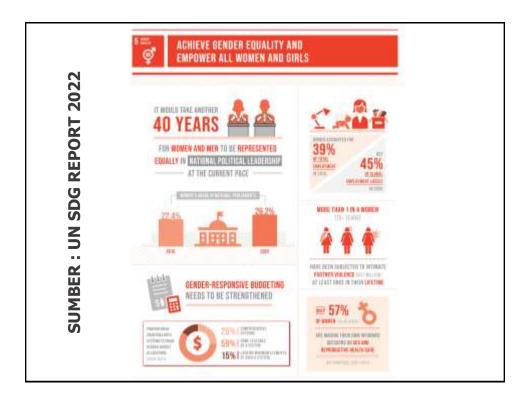


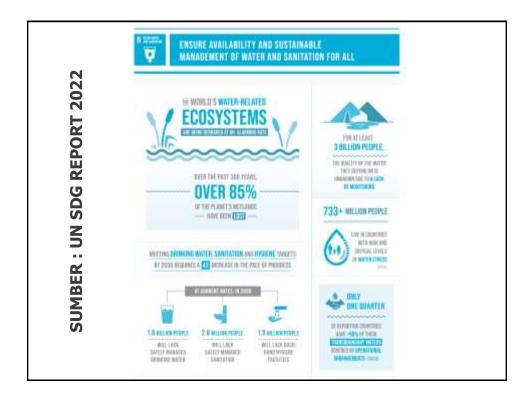


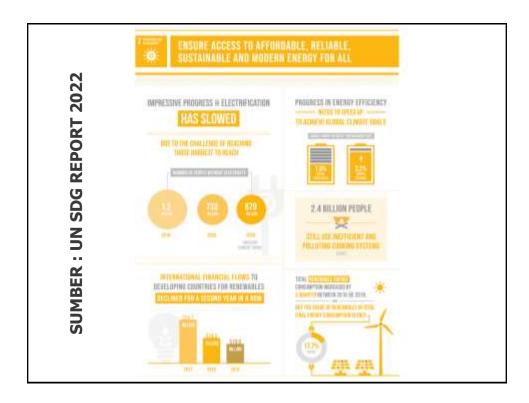


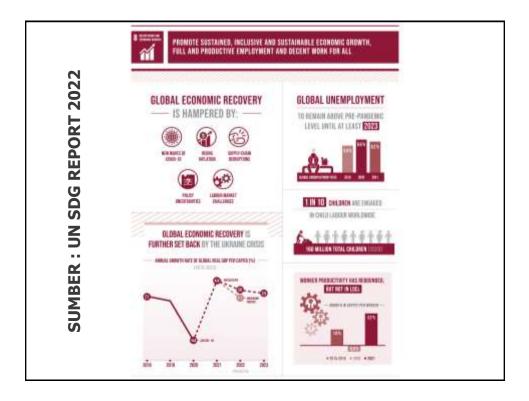




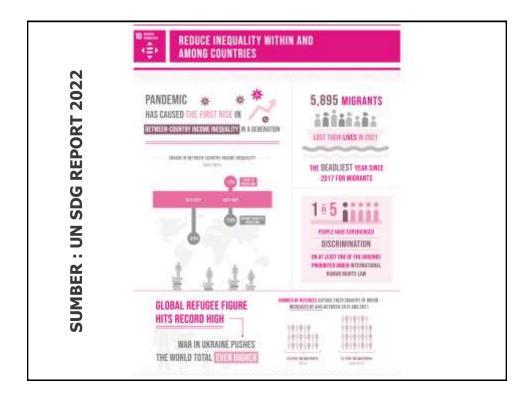


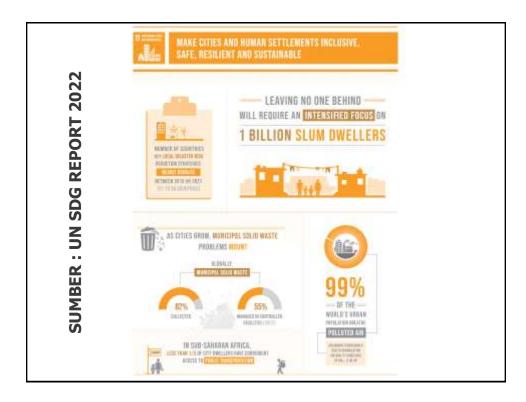


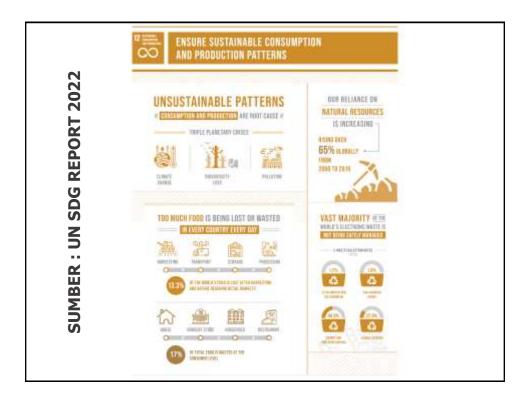


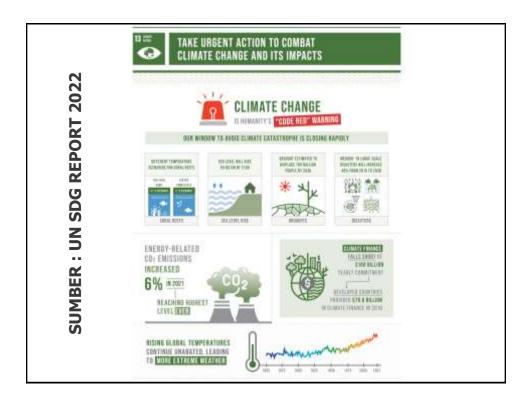


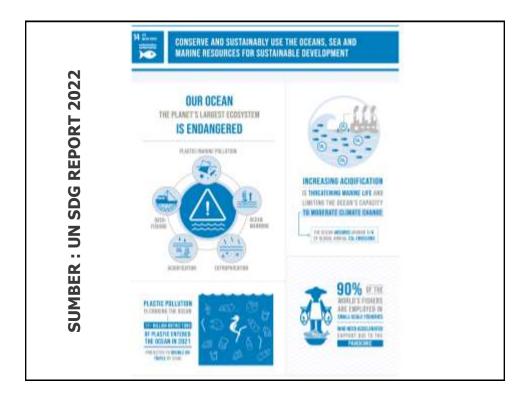


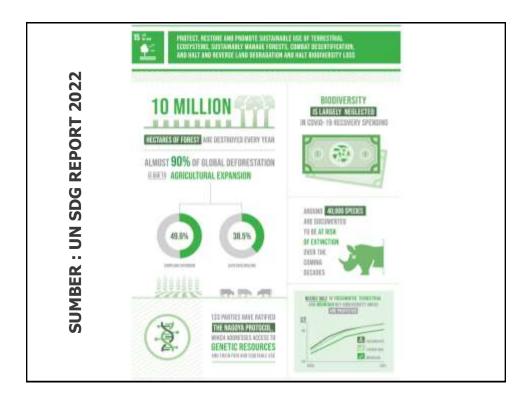


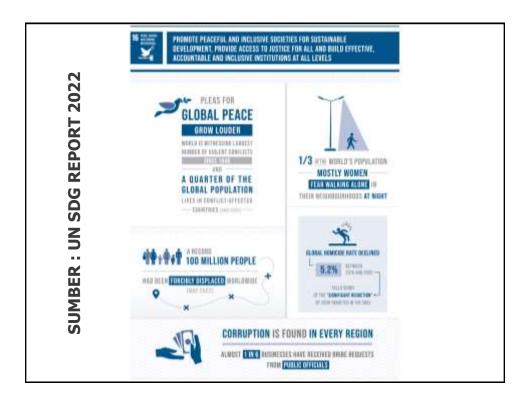


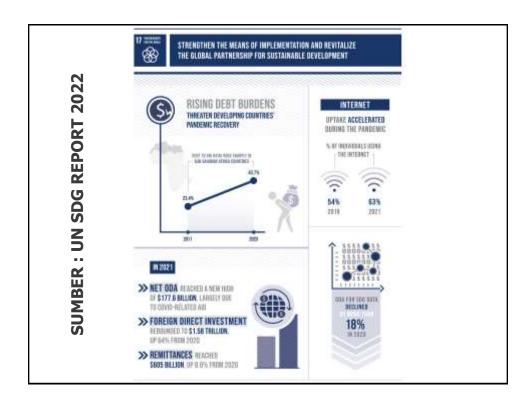








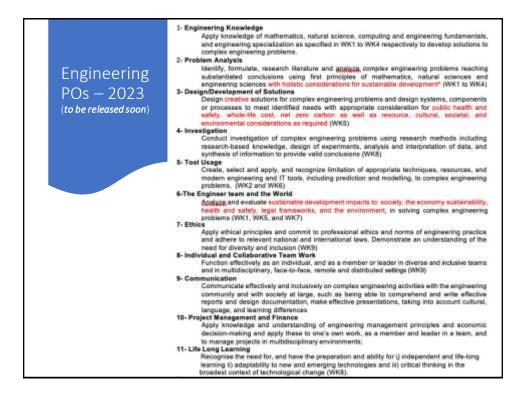


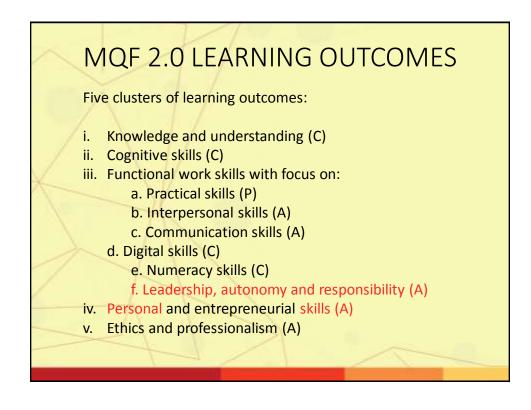












Box 2. Target 4.7 of the SDGs

By 2030, ensure that all learners acquire knowledge and skills needed to promote sustainable development. including, among others, through education for sustainable development and sustainable lifestyles, human rights, gender equality, promotion of a culture of peace and nonviolence, global citizenship and appreciation of cultural diversity and of culture's contribution to sustainable development.

Unesco UNESDOC

Digital Library

2

Source: United Nations, 2015

NHI

Education for Sustainable Development - a key instrument to achieve the SDGs

"A fundamental change is needed in the way we think about education's role in global development, because it has a catalytic impact on the well-being of individuals and the future of our planet. ... Now, more than ever, education has a responsibility to be in gear with 21st century challenges and aspirations, and foster the right types of values and skills that will lead to sustainable and inclusive growth, and peaceful living together."

Irina Bokova, Director-General of UNESCO

"Education can, and must, contribute to a new vision of sustainable global development."

(UNESCO, 2015)



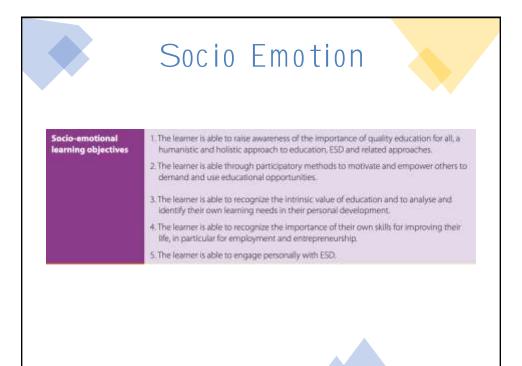
	Cognitiv			
Table 1.2.1. Learning objectives for SDG 1 "No Poverty"				
Cognitive learning objectives	 The learner understands the concepts of extreme and relative poverty and is able to critically reflect on their underlying cultural and normative assumptions and practices. 			
	The learner knows about the local, national and global distribution of extreme poverty and extreme wealth.			
	3. The learner knows about causes and impacts of poverty such as unequal distribution of resources and power, colonization, conflicts, disasters caused by natural hazards and other climate change-induced impacts, environmental degradation and technological disasters, and the lack of social protection systems and measures.			
	 The learner understands how extremes of poverty and extremes of wealth affect basic human rights and needs. 			
	 The learner knows about poverty reduction strategies and measures and is able to distinguish between deficit-based and strength-based approaches to addressing poverty. 			







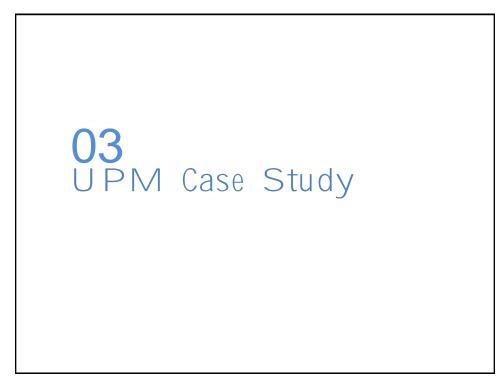
Table 1.2.4. Learning objectives for SDG 4 "Quality Education" Cognitive L. The learner understands the important role of education and lifelong le copportunities for all (formal, non-formal and informal learning) as main					
	Table 1.2.4. Learning objectives for SDG 4 "Quality Education"				
sustainable development, for improving people's lives and in achieving	drivers of				
 The learner understands education as a public good, a global common fundamental human right and a basis for guaranteeing the realization of 					
 The learner knows about inequality in access to and attainment of edus particularly between girls and boys and in rural areas, and about reason equitable access to quality education and lifelong learning opportuniti 	is for a lack of				
4. The learner understands the important role of culture in achieving susta	ainability.				
5. The learner understands that education can help create a more sustaina	able, equitable				







lox 1.2.4b. Examples	of learning approaches and methods for SDG 4 "Quality Education"
	between schools, universities and other institutions offering education in different jouth and North, South and South)
Nan and run a quality	education awareness campaign
	on the education system and access to education (e.g. enrolment in primary communities or countries
lan and run an ESD p	roject at a school or university, or for the local community
	outh Skills Day (15 July), International Literacy Day (8 September) or World Teachers' se part in Global Action Week for Education
Organize ESD days at it	ocal, regional and national level
Develop an enquiry-ba	ised project: "What is a sustainable school?"
Organize ESD days at li	ocal, regional and national level



03 UPM Case Study 01 *Curriculum*



03 UPM Case Study 02 *Engineers and Society*

Engineers and Society @ UPM

Session 1: INTRODUCTION

Course Synopsis

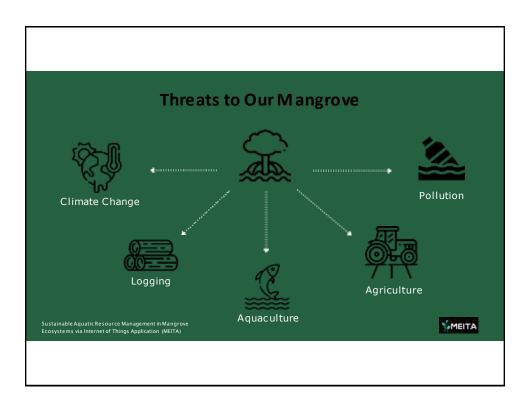
This course covers the engineers' profession, ethic and responsibility in relation to environmental, socio-economic, sustainability, safety and health issues, legal system, contract law, management and entrepreneurship. This course also involves application of engineering knowledge through joined activities with the community.

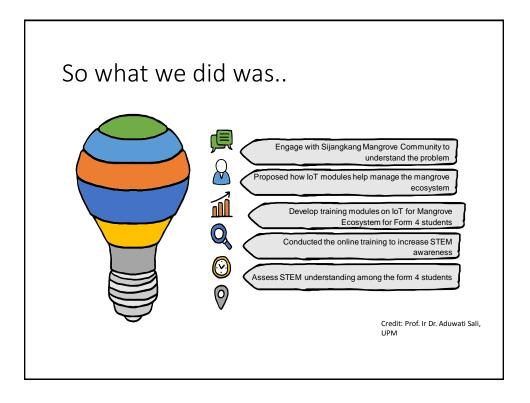
Course Learning Outcomes

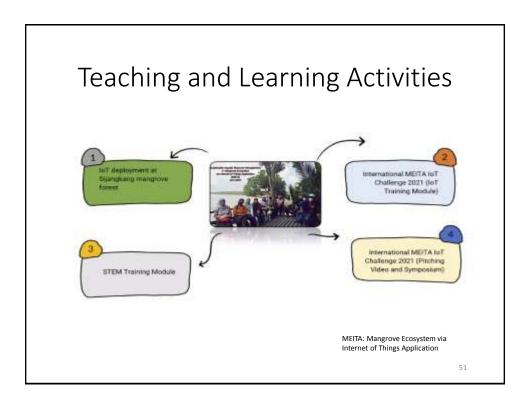
Students are able to:

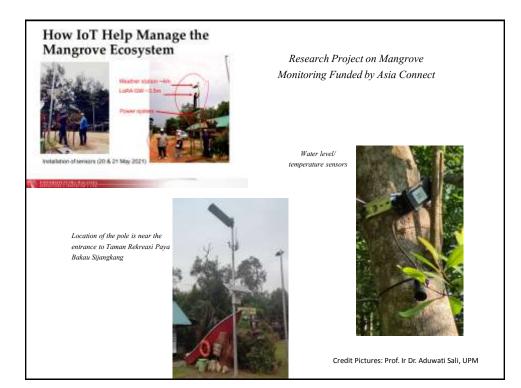
- Correlate the current issue of the environment, socio-economic and sustainability with sound engineering practice (C5)
- Explain the ethical duties and responsibilities of engineers in society related to legal, management and entrepreneurship aspects (A3, EM, KK)
- Apply their skills and engineering knowledge to carry out activities with the community (P4)

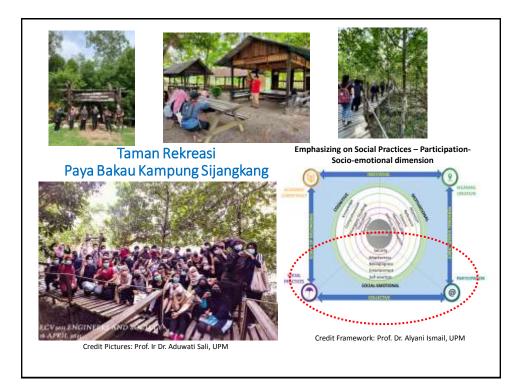
Credit: Prof. Ir Dr. Aduwati Sali, UPM

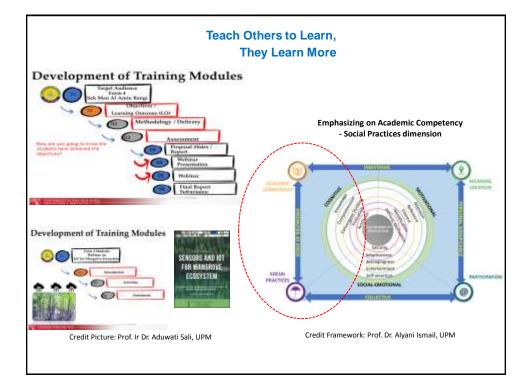






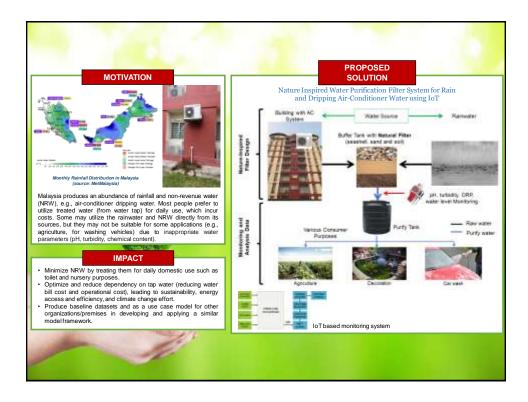


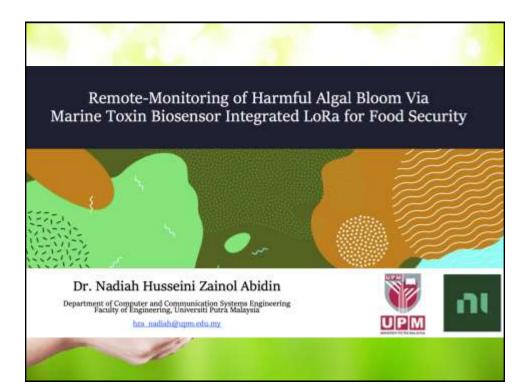


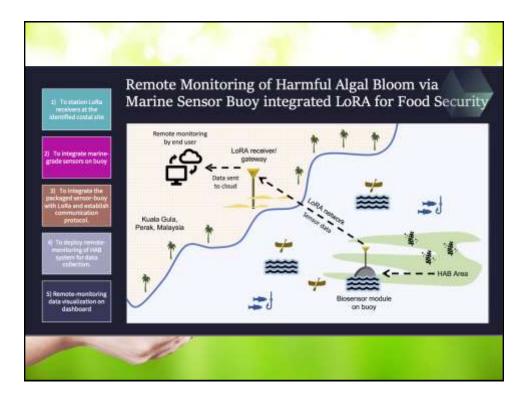


03 UPM Case Study 03 FYP

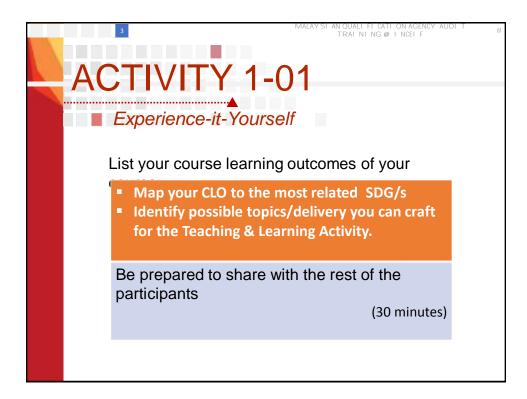














05 Discussion and Q&A

