

Course Outcomes Guide (COG)

Course Title: EGT 235 Fluid Power

Date: May 20, 2019

Course Team: Dr. Olu Bamiduro

Expected Learning Outcomes

1. Apply mathematical concepts
2. Demonstrate the ability to think critically.
3. Transfer theoretical knowledge into practical applications.
4. Use effective communication skills.

Assessment

The assessment of the course will be administered to all sections of EGT 235 by the below methods:

1. Examinations
2. Homework Assignments
3. Student assigned Chapter-Section Presentations

Validation

The following criteria will be used to validate EGT 235:

1. The ability to apply knowledge of mathematics, science, and engineering.
2. The ability to design and conduct experiments, as well as to analyze and interpret data.
3. The ability to identify, formulate, and solve engineering problems.
4. The ability to communicate effectively.
5. The ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Results Data may be seen in table below:

	FALL 2017	SPRING 2018	FALL 2018	SPRING 19
# of Active Students	7	5	2	4
# unofficially walked away from class	N/A	N/A	N/A	N/A
% of success	73%	75%	80%	77%
Final Exam Score (Average)	80 %	85.2%	90%	75%
Mean Course Grade	2.41	2.23	2.4	2.19
Areas of difficulty in course content	Mathematics: Solving for variables	Correlate theory with practical	Schematics	Units/ Conversions

Follow-up (How have you used or how will you use the data to improve student learning?)

Budget Justification (What resources are necessary to improve student learning?)

We need to invest in Real Life projects that will enhance learning.