EAS441 License Aircraft Engineer Extension Course

Level: 4

Credit Units: 20 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY JULY

Synopsis:

The License Aircraft Engineer Extension Course comprises theoretical and workshop practical sessions and operational aircraft maintenance environment practical training, examinations and assessment in compliance with the following CAAS requirement:
* SAR 147 Section 1 – Requirements, Sub-part C. SAR-147.200
* SAR 147 Section 2 – Acceptable Means of Compliance. AMC 147.200(h).

Topics:

- Physics
- Electrical Fundamentals
- Electronic Fundamentals
- Digital Techniques/Electronic Instrument Systems
- Materials and Hardware
- Maintenance Practices
- Turbine Aeroplane Aerodynamics, Structures & Systems
- Aircraft Aerodynamics, Structures & Systems
- Aircraft Propulsion
- The Gas Turbine Engine
- Aircraft Turboprop System
- Operational Environment Practical Training

Learning Outcome:

- Examine the theoretical fundamentals of the subject content covered.
- Compose general descriptions of the subject content covered using as appropriate, typical examples.
- Apply mathematical formulae in conjunction with physical laws to analyze the maintenance principles covered in the course.
- Analyse sketches, drawings and schematics related to the aircraft systems cases in the course.
- Appraise the use of knowledge in a practical manner using detailed procedures.
- Evaluate results from various sources and measurements and propose corrective action where appropriate.

Assessment Strategies (Evening Class):

Components	Description	Weightage Allocation (%)
Overall Examinable Components	Written Exam	100

Total	**100**