



“NOT FOR SALE”

PROFESSIONAL REGULATORY BOARD OF AERONAUTICAL ENGINEERING

PROGRAM OF THE SPECIAL PROFESSIONAL LICENSURE EXAMINATION FOR AERONAUTICAL ENGINEERS ON JUNE 6, 7 AND 8, 2025 IN SINGAPORE AND TAIWAN

DATE AND TIME	SUBJECTS	RELATIVE WEIGHT
<u>FRIDAY, JUNE 6, 2025</u>		
12:00 P.M. – 12:45 P.M.	GENERAL INSTRUCTIONS FILLING OUT OF FORMS	
1:00 P.M. – 5:00 P.M.	AERODYNAMICS Fundamentals of Low-High Speed Aerodynamics Application of Aerodynamics to Fixed/ Rotary Wing Aircraft Configurations, Performance, Stability and Control; Wind Tunnels and Applications	25%
7:00 P.M. – 10:00 P.M.	MATHEMATICS Algebra, Trigonometry, Analytical Geometry, Calculus and Differential Equations with Aeronautical Engineering Applications	10%
<u>SATURDAY, JUNE 7, 2025</u>		
1:00 P.M. – 5:00 P.M.	AIRCRAFT STRUCTURES AND DESIGN Aircraft Design Fundamentals; Structural Loading Conditions; Structural Analysis and Design of Airframe Components; Landing Gears, Engine Mounts and Other Structural Parts; Non- Structural Components Design	20%
7:00 P.M. – 10:00 P.M.	AIRCRAFT CONSTRUCTION, REPAIR AND MODIFICATION Aircraft Materials and Processes; Methods and Techniques in Repair and Modification in accordance with Civil Airworthiness Regulations; Manufacturing/ Production Processes and Quality Assurance	15%
<u>SUNDAY, JUNE 8, 2025</u>		
1:00 P.M. – 5:00 P.M.	AIRCRAFT POWER PLANT Thermodynamics and Power Plant Design and Operation Fundamentals with Applications to Internal Combustion Engine Reciprocating Engines Aircraft Gas Turbines, Pulsejet and Ramjet, Rocket Propulsion System and other Aircraft Power Systems	20%
7:00 P.M. – 10:00 P.M.	ENGINEERING ECONOMICS AND MANAGEMENT LAWS AND ETHICS Principle of Economics and Management as Applied to Aviation Industry; Laws, Rules and Regulations Governing the Practice of Aeronautical Engineering to include PD 1570, Rules and Regulations with Code of Professional Ethics of the Board of Aeronautical Engineering and others (International Aviation Laws)	10%
TOTAL.....		100%

GENERAL INSTRUCTIONS:

1. The **NOTICE OF ADMISSION** will be issued at the MWO/testing centers.
2. Please bring original documents with you for final evaluation and four (4) pieces passport size pictures with name tag.
3. Bring the following on the days of the examination:
 - a. Two (2) or more pencils (No. 1 or 2)
 - b. Ballpens with **BLACK ink only**
 - c. One (1) piece long brown envelope
 - d. One (1) piece long transparent/non-colored plastic envelope (for keeping your valuables and other allowed items)
 - e. **NON-PROGRAMMABLE CALCULATORS. (Please refer to Commission Resolution No. 1809-2024 or the “Updated List of Non-Programmable Calculators Allowed to be used in the Licensure Examinations”)**

NOTE: ONLY ONE CALCULATOR SHALL BE ALLOWED INSIDE THE EXAMINATION ROOM. ALL CALCULATORS SHALL BE INSPECTED AND HAVE TO BE RESET BEFORE THE START OF THE EXAMINATION.


4. The following are **PROHIBITED** inside the examination premises/rooms:
 - a. Books, notes, review materials, and other printed materials containing coded data/information/formula
 - b. **PROGRAMMABLE CALCULATORS**
 - c. **APPLE, SAMSUNG AND OTHER SMART WATCHES, CELLULAR PHONES, EAR PLUGS, TRANSMITTERS, PORTABLE COMPUTERS, BLUETOOTH AND OTHER ELECTRONIC GADGETS/DEVICES WHICH MAY BE USED TO STORE OR RETRIEVE DATA/INFORMATION AND/OR TO COMMUNICATE FOR WHATEVER PURPOSE**
 - d. Bags of any kind (ladies bag, shoulder bags, attaché case, backpacks, etc.)
 - e. Other examination aids not stated in this program.

The rules on the conduct of bodily search, inspection of personal belongings of the examinees, and the seizure/confiscation of prohibited items during the licensure exam (Annex A of PRC Memorandum Order No. 57, s. 2020) shall be strictly observed.

5. Read carefully and follow the instructions on your **NOTICE OF ADMISSION** and **EXAMINEES GUIDE**.
6. Examinees shall follow the health and safety protocols being implemented by the host country.

NOTE: PERSONAL BELONGINGS BROUGHT BY AN EXAMINEE SHALL BE FOR HIS/HER OWN ACCOUNT. THE PRC WILL NOT BE ANSWERABLE FOR ANY SUCH ITEM OR PERSONAL BELONGING THAT MIGHT BE LOST DURING THE EXAM WITHOUT FAULT OR NEGLIGENCE ON ITS PART.

Manila, Philippines
March 26, 2025

APPROVED:

ERNESTO B. FERRERAS, JR.
Chairman

CERTIFIED CORRECT:


Atty. Lovelika T. Bautista
Chief, PRB Secretariat Division