

SECTION 2.4 INSTRUCTOR RATINGS

Unit 2.4.1 FIRC: Instructor rating – common

1. Reserved

2. Flight rules

2.1 Legislation

- 2.1.1 Describe the privileges and limitations of the instructor rating and associated training endorsements.
- 2.1.2 Describe the flight training that must be conducted under the authority of Part 141 or 142 of CASR 1998.

3. Principles and methods of instruction

3.1 Principles of learning

- 3.1.1 Describe the adult learning process.
- 3.1.2 Explain what is meant by perception.
- 3.1.3 Explain the relative importance of each of the physical senses in learning.
- 3.1.4 Explain how the defence mechanisms listed may hinder learning:
 - (a) rationalisation;
 - (b) flight;
 - (c) aggression;
 - (d) resignation.
- 3.1.5 Explain how the level of stress may affect learning.
- 3.1.6 Explain the relation between perception and understanding.
- 3.1.7 State how positive and negative motivation affects learning.
- 3.1.8 Explain the application of the levels of learning.
- 3.1.9 Explain how the rate of learning may vary with practice.
- 3.1.10 Explain the role of each of the memory systems in terms of the model of information processing:
 - (a) sensory register;
 - (b) short-term memory;
 - (c) long-term memory.

3.2 Principles of instruction

- 3.2.1 Explain how a flight instructor could assist the process of perception and understanding.
- 3.2.2 State examples of how rote learning, understanding of knowledge and correlation apply to flight training.
- 3.2.3 Identify the outcomes of aeronautical knowledge instruction associated with the 3 domains of learning:
 - (a) cognitive (knowledge);
 - (b) affective (attitudes, beliefs and values);
 - (c) psychomotor (physical skills).
- 3.2.4 State the factors that may hinder learning with respect to aeronautical knowledge training.
- 3.2.5 Explain the advantages and disadvantages of guided discussion in flight training and identify flight training activities for which this technique could be suitable.
- 3.2.6 Give examples of positive and negative transfer in aeronautical knowledge training.