



## Course

### Course Description

## Instrument Rating (IR)

The IR course is of a combination of **multimedia-based training, questions, textbooks and examinations**, all managed and documented by our **Learning Management System** providing the instructor with accurate information on the students' training performance.

If available, already existing training material of your organization **can be implemented into the course structure**.

The courses follow the requirements of **Part FCL**. The integrated question bank contains around **4.000 questions covering all learning topics** and is divided into the appropriate course modules.

The **backbone** of the IR course is the **Learning Management System (LMS)** which allows the organization, tracking and documentation of the training activities. **Accompanying textbooks** contain additional practical examples and information.

The **question bank** which is directly linked to the multimedia-based training **checks the students' progress** and prepares them for examinations. The Learning Management System offers also the option for online examinations according Part FCL.

### infoWERK's IR course

**fulfils the requirements of AMC1 ORA.ATO.300 including:**

- A Progress Test for each subject for every 15 hours of study
- A recommended course structure and order of teaching
- Additional self-assessment tests, which allow the student to review his knowledge
- The possibility to contact the appropriate instructor (contact times)
- The requirement to offer documentation which allows the department head to evaluate the students' training to ensure that he achieves the required training standard
- The possibility for the instructor to monitor the students' progress

### Course Content

**The IR course is divided into 11 Training Modules and covers the following topics:**

- Air Law
- Aircraft General Knowledge
- Instrumentation
- Flight Performance and Monitoring
- Human Performance
- Meteorology
- Radio Navigation
- IFR Communications

PRODUCT INFORMATION



## Summary

**This unique combination of different training elements contains various advantages for your flight training organization:**

- High quality training material based on infoWERK's experience
- One set of books, questions and web-based training
- Customized layout of books and web-based training
- Integrated quality- and recordkeeping system
- Mobile self-paced learning possibility for students
- Scheduling flexibility
- Cost saving by reducing personnel and office expenses
- Additional revenue through the sale of learning material
- No investment to produce all the material by yourself

PRODUCT INFORMATION

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 YouTube: [www.youtube.com/InfowerkZirl](http://www.youtube.com/InfowerkZirl)

Introduction

It is important to recognize that most clouds do not produce precipitation. In many clouds, water droplets and ice crystals are just too small to overcome the natural updrafts found in the lower atmosphere.

Typical flight deck equipment fitted on FMS aircraft

The communication link between the flight crew and the FMC is the Control and Display Unit (CDU).

The main components of the CDU are as follows:

- CDU display including the following terms
  - Page title
  - Data field
  - Scratchpad
  - Line select keys
  - Numeric keys
  - Alpha keys
- Function and mode keys used to select specific data pages on the CDU display, to execute orders or to pages through the data presented
- Warning lights, message light and other light

GPS Accuracy

The basic GPS signal is accurate on a worst-case basis  
 100 meters lateral  
 140 meters vertical  
 everywhere on earth

GPS

VOR/DME

just as accurate as