

## Flight Lesson: Non Precision Approach

### Objectives:

1. exhibit knowledge of the elements related to Approach Procedures
2. ability to properly interpret and comply with Approach Clearances
3. ability to interpret read non-precision approach plates correctly

### Schedule:

| Activity     | Est. Time   |
|--------------|-------------|
| Ground       | 1           |
| Simulator    | 2           |
| Debrief      | 0.25        |
| <b>Total</b> | <b>3.25</b> |

### Recommended Readings:

|            |                               |
|------------|-------------------------------|
| <b>IFH</b> | Ch. 7: 7-8 to 7-19: VORs, DME |
|            | Ch. 7: 7-26 to 7-34: GPS      |

### Elements Ground:

- **Approach Procedure Basics**
  - purpose
  - types
    - GPS
    - Localizer
    - VOR
    - VOR/DME
    - NDB
  - charting
    - GPS overlay (“or GPS”)
    - RNAV
- **Flying the Non Precision Approach**
  - approach briefing
  - course reversals
    - When not required?
    - procedure turn
    - holding in lieu of procedure turn

- how many turns?
- tear drop
- MDA
- VDP
- VDA
  - rate of descent table
- MAP
  - navaid, DME, Time

### Elements Sim:

- ATC Clearance
- Non Precision Approaches
  - GPS
  - VOR/DME
  - Localizer
- Approach Plate interpretation

## **Approach Clearance Examples**

“maintain 2,000 until established on the final approach course outbound, cleared VOR/DME runway 12”