

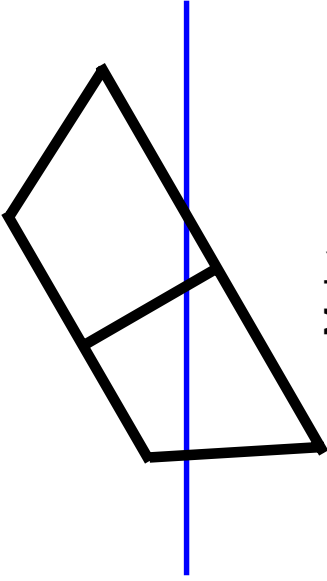
**Exercise: 9**

**TURNING (1)**

**Aim:** To turn level using 30° AOB onto specific headings

**Airmanship:** Lookout, Orientation, Anchor point

1. Revision Straight and level, acceleration/deceleration



Entry

- Lookout
- Select attitude
- Aileron
- Rudder to balance
- Back pressure

Maintenance

- Lookout
- Attitude
- Instruments (Alt and Ball)

Exit

- Anticipate
- Select attitude
- Aileron
- Rudder
- Relax back pressure
- Lookout (downgoing wing)
- Refine datums

2. Rolling out onto a feature

Anticipate feature  
Adjust to feature

3. Rolling out onto a specific heading

Maintenance include DI  
Anticipate 1/3 AOB  
Adjust to heading

4. Turns at 85 mph

Entry apply power maintain IAS  
Maintenance include ASI  
Exit reduce power  
Adjust to datums

## Exercise: 9

## TURNING (1)

**AIM:** To turn level using 30° angle of bank onto specific headings

**AIRMANSHIP:** Lookout, Orientation, Anchor point

### DEVELOPMENT

#### Revision:

Allow the student to practise straight and level  
105 mph - 80 mph - 105 mph

#### Introduction:

Demonstrate a medium turn to the left at 105 mph. During the turn allow the student to hold the attitude

#### Maintaining the turn:

Enter a 30° angle of bank turn to the left, then teach the maintenance

Allow the student to practise

#### NOTE:

When teaching how to maintain make sure you induce a climb or descent and teach how to correct

#### Entry:

Teach the entry to the turn

Allow the student to practise

#### Rolling out:

Allow the student to enter and maintain the turn. Take control and teach the exit

Set the aircraft back in the turn and allow the student to practise the roll out

Allow the student to practise a complete turn

#### NOTE:

Nominate a reference feature before entering the turn

### TEACHING POINTS

RE-EMPHASISE

Lookout Attitude Instruments  
PAAT

Elicit from the student the turn attitude and the back pressure

EMPHASISE

Lookout Attitude Instruments  
Adjust power to maintain 105 mph  
Hold bank constant  
Small attitude changes whilst looking ahead  
No trimming in the turn

EMPHASISE

Lookout  
Increase power slightly  
Select the level turn attitude  
Balance

NOTE:

Attitude selection is made whilst looking straight ahead

EMPHASISE

Reduce power slightly  
Select straight and level attitude  
Balance  
Lookout (down going wing)  
Scan straight and level

Teach the attitude in a right hand turn and allow the student to practise a complete turn to the right

**Rolling out on a feature:**

Allow the student to enter and maintain a turn. Take control and teach how to roll out on a feature

Allow the student to practise

EMPHASISE

Anticipate the roll out  
Adjust to feature

**Rolling out on a specific heading:**

Allow the student to enter a turn. Take control and teach how to roll out on a specific heading

Allow the student to practise

EMPHASISE

During maintenance include the DI in the scan  
Anticipate by 1/3 angle of bank  
Adjust to heading

**Turns at 85 mph:**

Set the aircraft up straight and level at 85 mph and teach a complete turn to the left

Allow the student to practise

EMPHASISE

On entry apply power to maintain IAS  
During maintenance include ASI in scan  
On exit reduce power  
Adjust to datums

Teach the attitude in a right hand turn and allow the student to practise a complete turn to the right