

## Lecture 19

# SPACE GEOMETRY

## :: LINES & PLANES



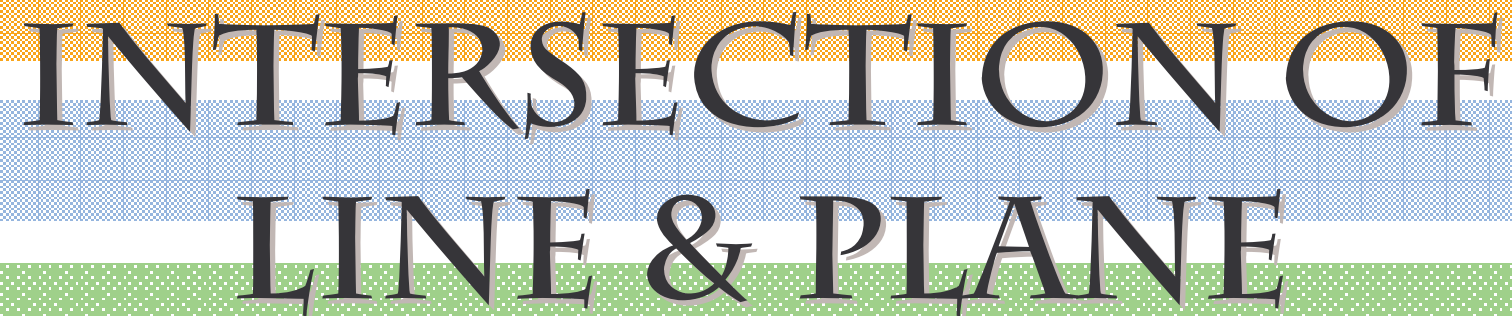
TA 101 : Engineering Graphics

2007-08 Semester II

January – May 2008

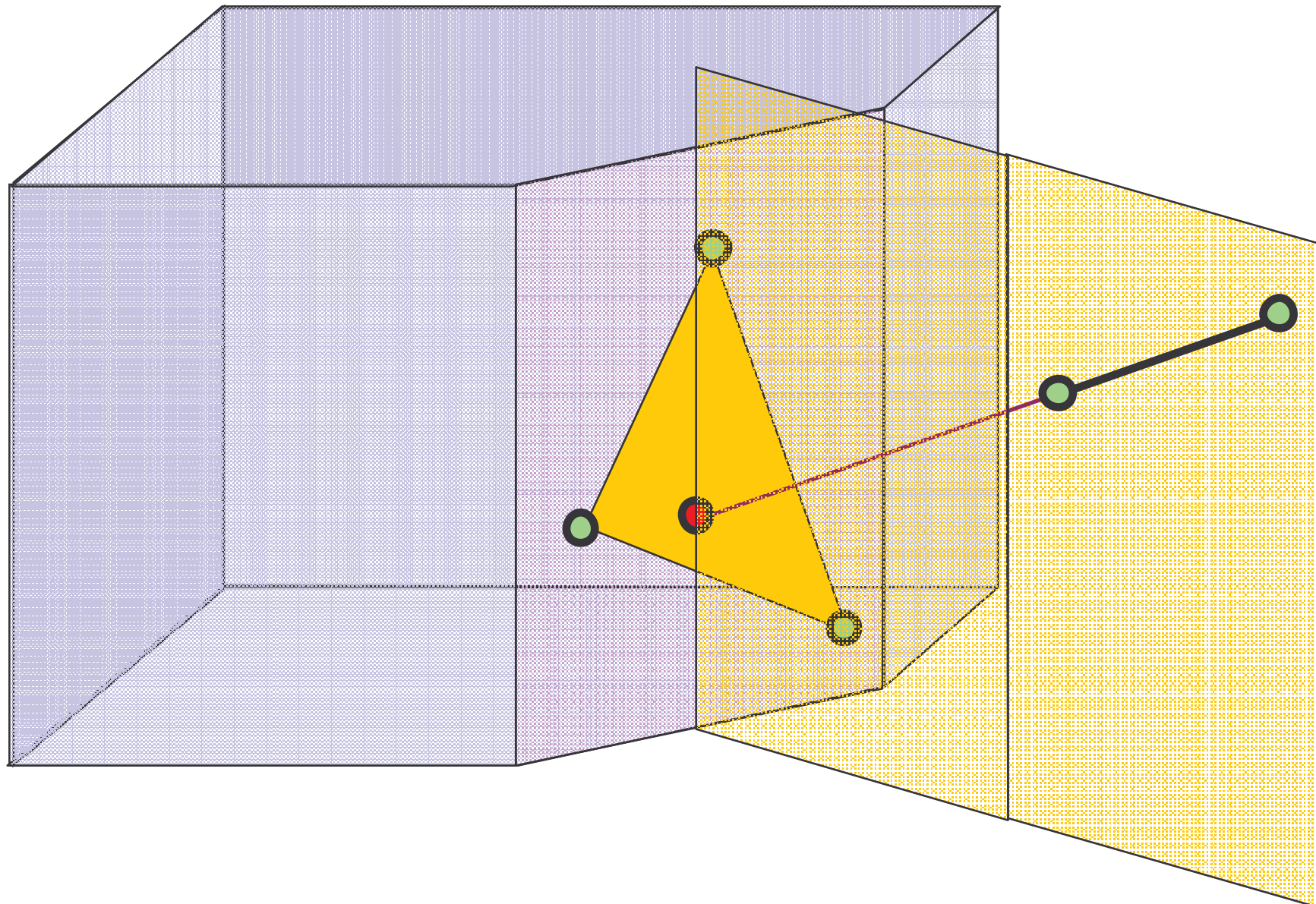
# OUTLINE

- Intersection of a Line and a Plane
- Perpendicular to a Plane
  - Passing through a point on the plane
  - Passing through a point outside the plane

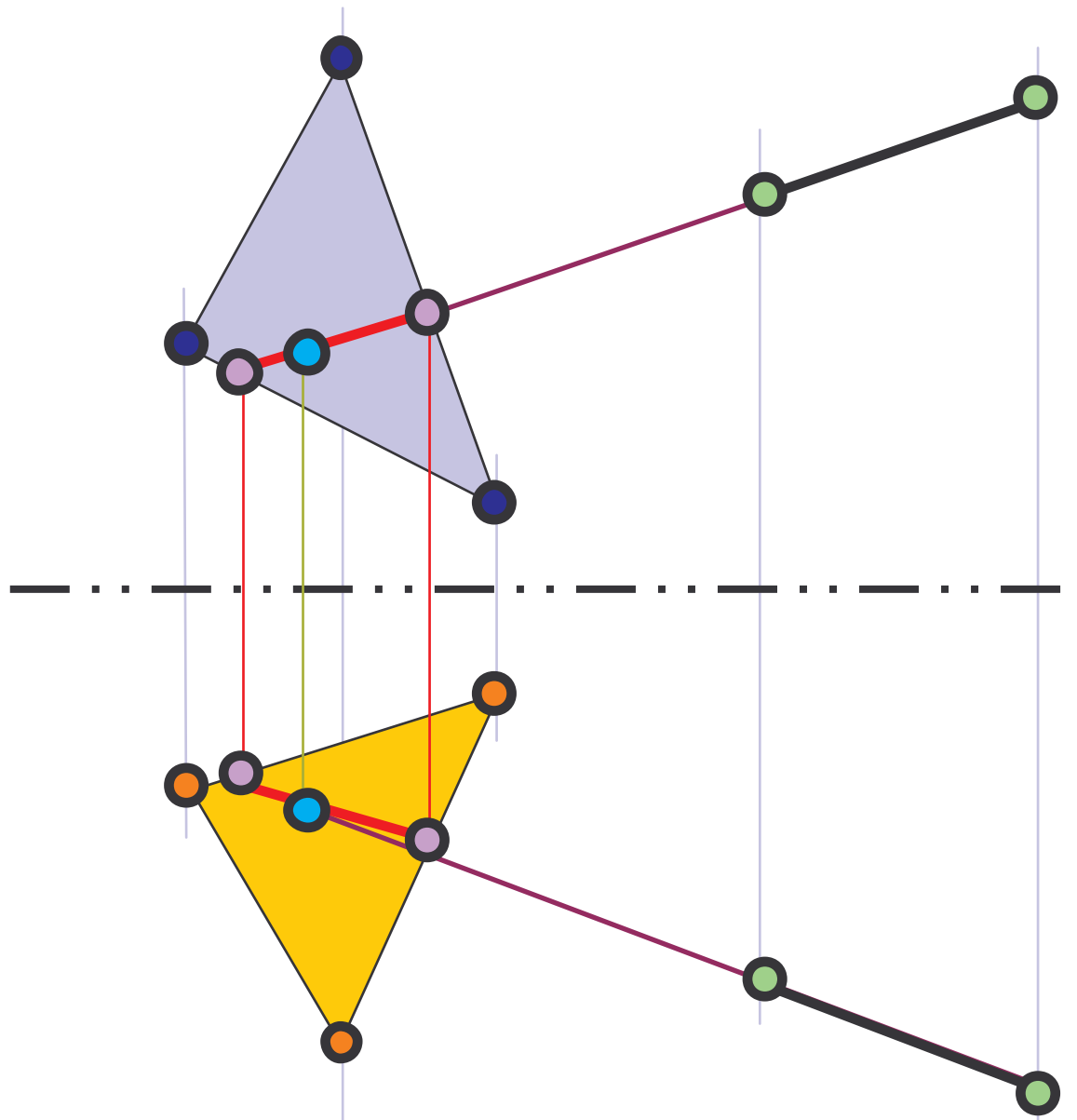


# INTERSECTION OF LINE & PLANE

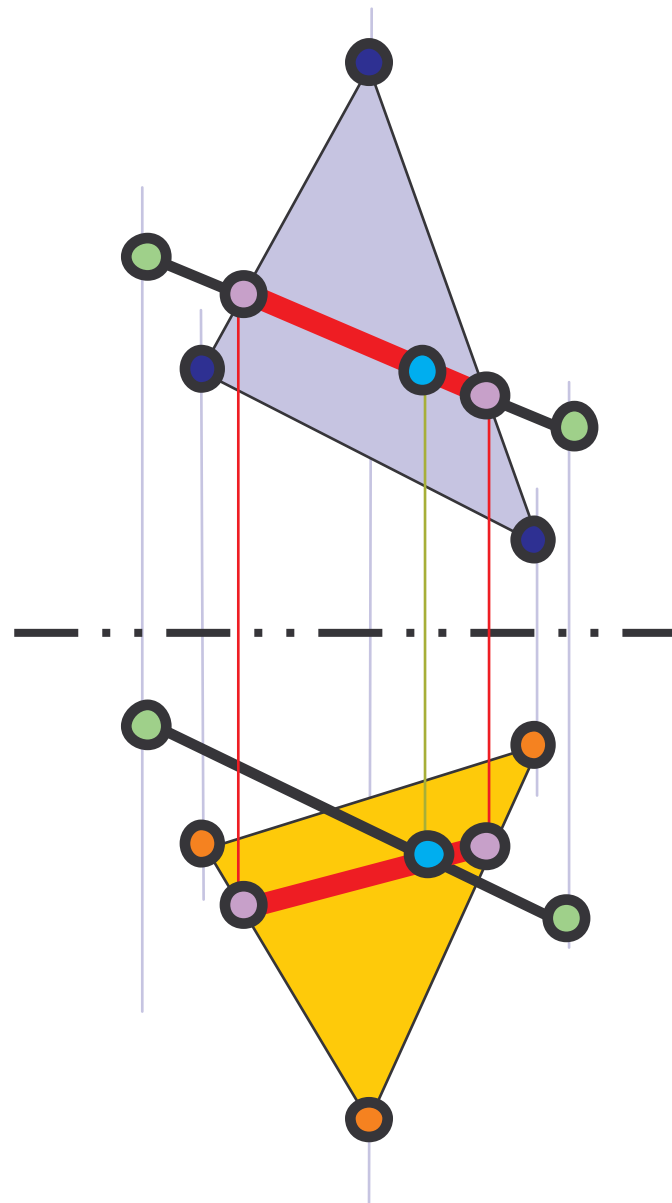
# TRANSPARENT VIEWING BOX



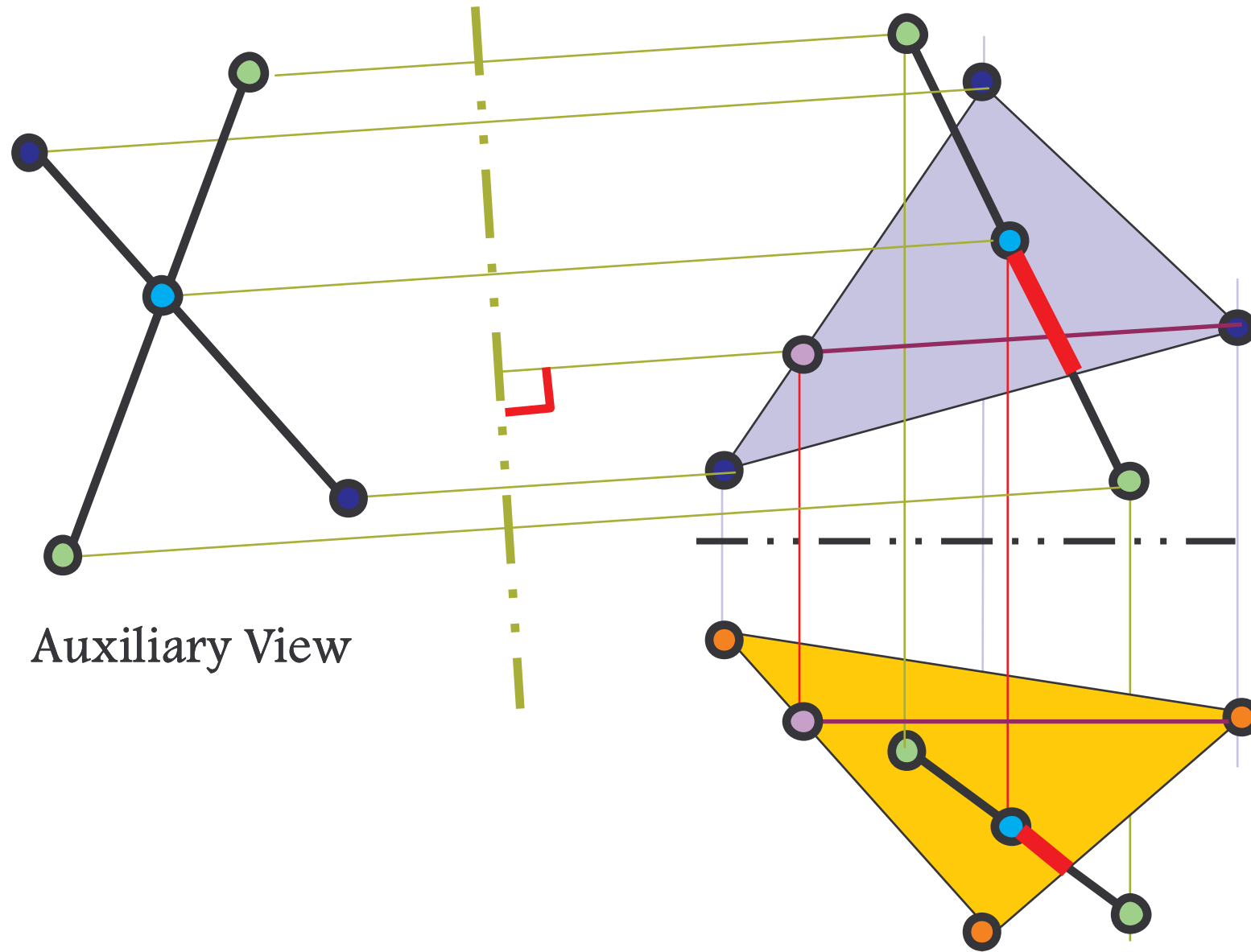
# ORTHOGRAPHIC PROJECTION



# CUTTING PLANE METHOD



# EDGE VIEW METHOD

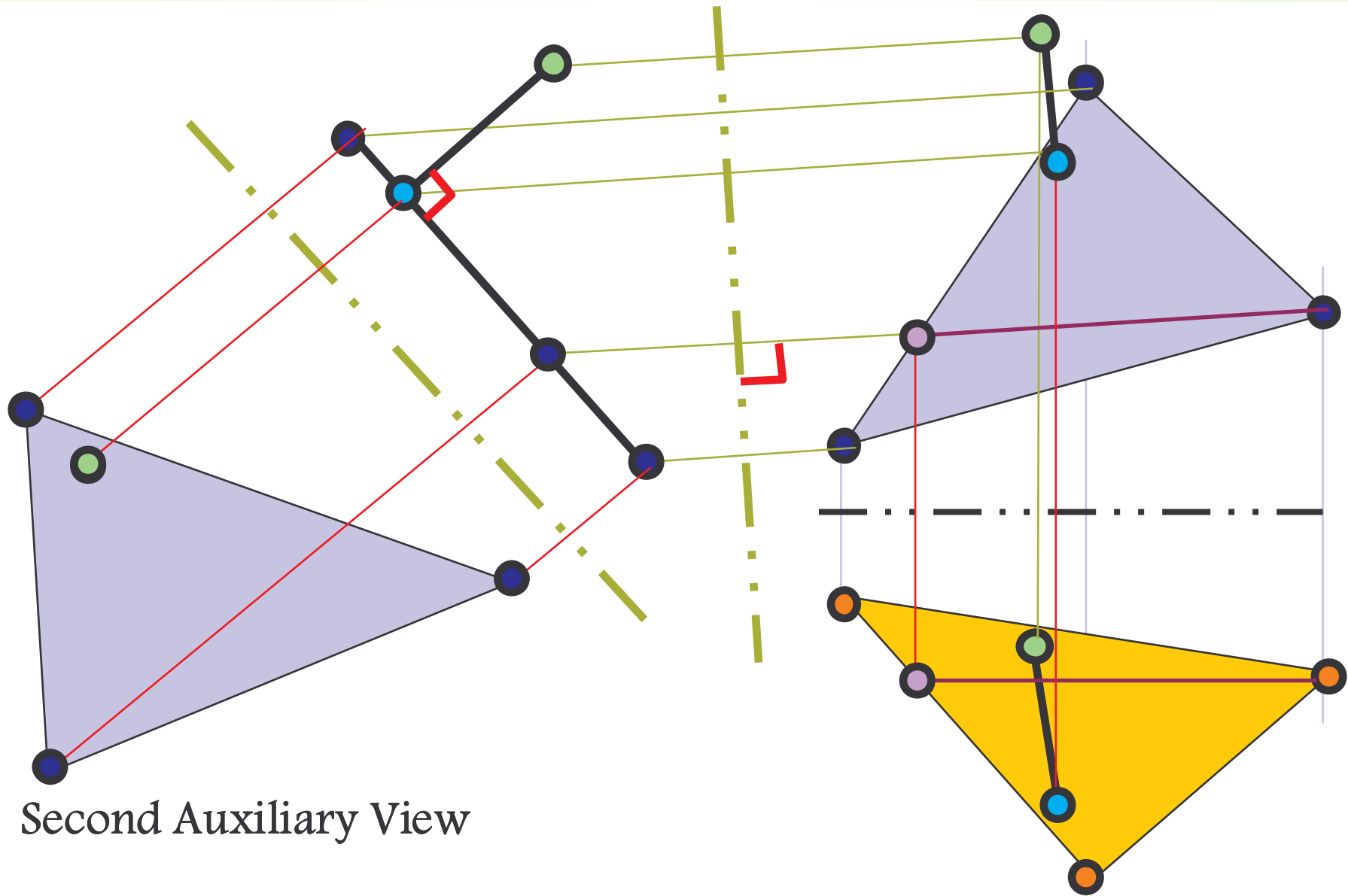


Auxiliary View

PERPENDICULAR TO  
A PLANE

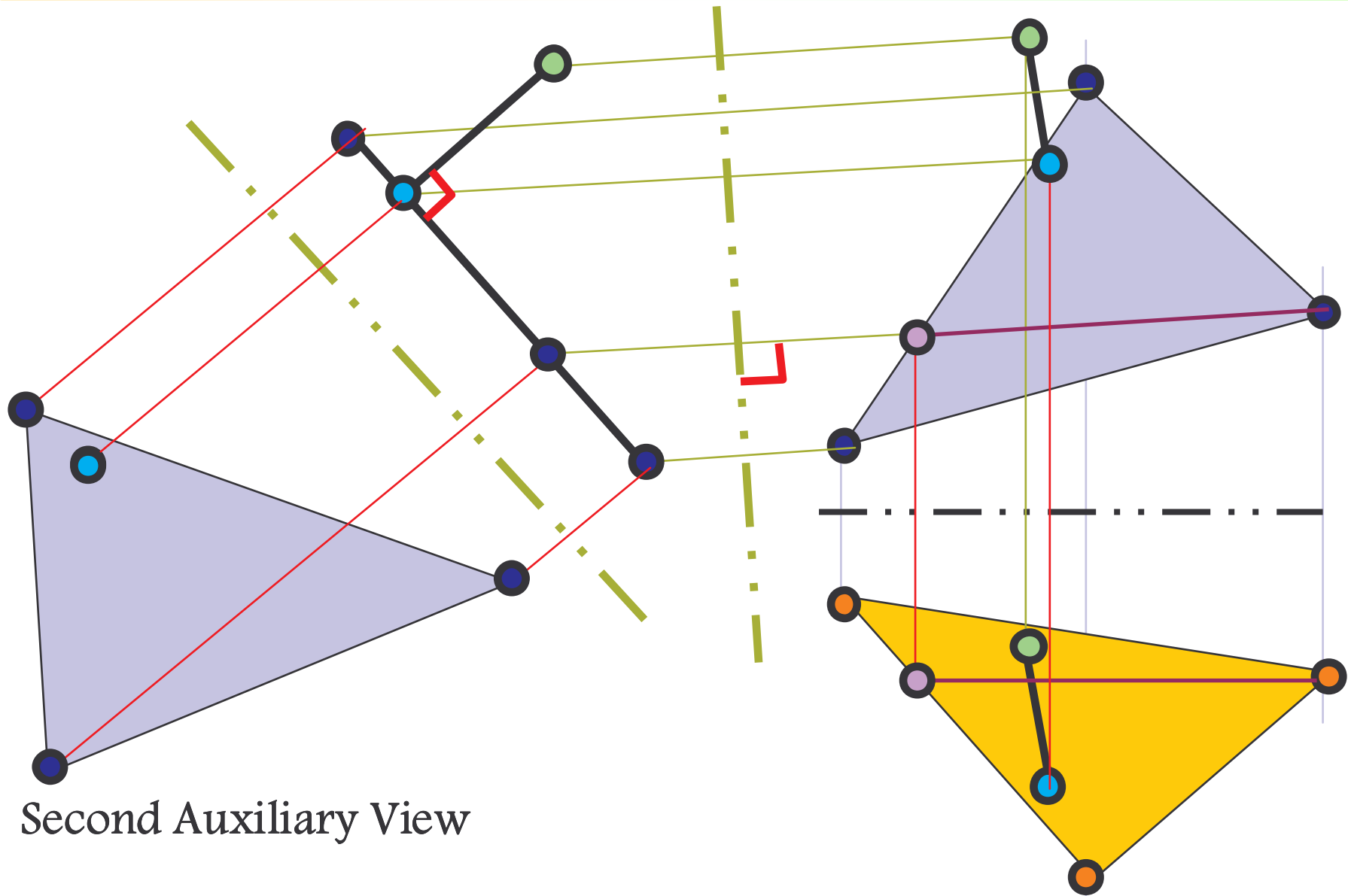


# POINT ON PLANE

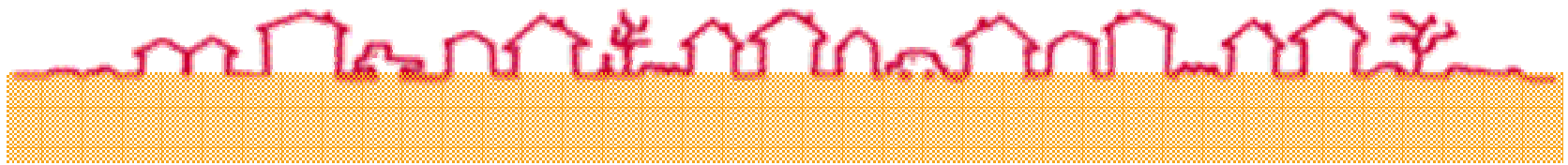


Second Auxiliary View

# POINT NOT ON PLANE



Second Auxiliary View



Have a Great Day!!

