

## Lecture Class Assignment #3

### Lecture: "Sketching for Engineers"

William Bullock, Professor and Chair, Industrial Design

Tuesday, Sept 17th, 8:00-8:50 am 2079 Natural History Bldg.

Thursday Sept 19th, 8:00-8:50 am 2079 Natural History Bldg.

#### -Sketching

What is a sketch?

Why sketch? Advantages? Disadvantages?

Materials, technique and speed

Sketching lines, planes, squares and polygons

-Square; a 2D unit of measure

-Circles and ellipses; polygons

-Orthographic sketching {2D}; target points, lines and planes

-Oblique sketching {3D}

- Isometric Sketching {3D}

Sketch along with the Instructor and hand in all finished sketches at the end of class on Thursday. Include at least one isometric cube shape similar to those on the bottom of the following page, as part of this exercise. If necessary spend a little time between Tuesday and Thursday class to complete this isometric cube shape.

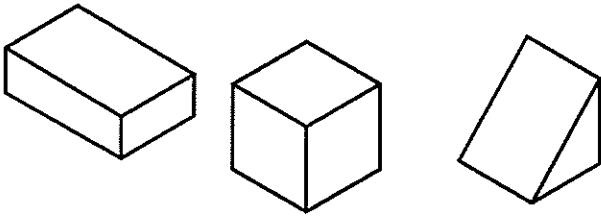


Fig 14

