

**Assignment 3: ORTHOGRAPHIC DRAWING**

**Value:** 5% of Final Mark

**Media/Materials/Tools:** Rulers: reg. & flexible, calipers, pencil, eraser, grid paper, calculator

**DUE:** **Week 3, Sept. 20**  
**(Bring back on Oct. 20 to hand in with Analytic Form)**

Draw a measured, scale drawing according to Orthographic Drawing conventions of all distinct views of the object chosen for your Analytic Form project.

- On 18" x 24", 10 units to an inch Grid Vellum graph paper (available at the Sheridan bookstore) draw the object from three views: Top, Side and Front (see handout provided)
- Label each individual drawing as FRONT, SIDE VIEW or TOP above each view
- Record as many measurements as possible
- Note all measurements OUTSIDE THE CONTOURS OF THE DRAWING for clarity
- Additional views may be required depending upon the object—eg: SECTION or EXPLODED

**Grading Criteria for This Assignment**

Completed for deadline

Drawn on specified graph paper

Scale Choice of drawing on graph paper

Clarity: clean lines drawn with precision

Layout: in proper orthographic format - labeled

Notation of measurements – clearly rendered and in adequate number

Details of object faithfully rendered

**General:**

Participation - is worth 15% of the course. This includes the following:

- participating in group discussions & critiques
- offering your perspectives and giving constructive criticism
- working cooperatively with your faculty member, technologist & other students
- coming to class prepared
- utilizing class time effectively to undertake studio assignments

**Late Assignments**

Term work must be submitted by the assigned date. A penalty of 10% per week of lateness up to and including work submitted on the last day of the term will be applied by the Instructor. Studio projects that are more than three weeks late will not be accepted.

**For Roughs**

-downloadable metric grid paper: <http://www.printfreegraphpaper.com/> (1mm engineering graph paper)

## **KEY TERMINOLOGY:**

### **Orthographic drawing –**

Orthographic drawing refers to a 2-D representation of an object in a view that shows only one side at a time. Most orthographic drawings occur in multi-drawing sets in order to depict each side, top and bottom view. Professions in design and construction use these types of drawings to inform the viewer of layout, size and shape. House floor plans illustrate a common type of orthographic drawing.

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