**Concepts and Trends of Drafting Notes**

1. What is drafting? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What is considered to be the first language? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Drafting is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, which is is the act and discipline of composing plans that visually communicate how something functions or is to be constructed. It is also essential for communicating ideas in industries such as engineering and architecture.
4. List the three types of drafting we will do in this class:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a way to quickly get an idea on paper. It is the \_\_\_\_\_ level of drafting and the most important part is Clarity and Proportion.
2. Technical drawings show true \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_. They include dimensions and annotations.
3. Multiview Drawings have a \_\_\_\_\_\_ view, \_\_\_\_\_\_\_\_ view, and \_\_\_\_\_\_\_\_\_\_ view.
4. CAD stands for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. We will use \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in this class.
5. BIM stands for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. BIM helps to helps create models of the buildings actual parts, and include data pertaining to that part, such as size and model #. BIM is shared between the design team, construction company, owner/operator which helps minimize data loss for the project.
6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is to quickly provide a scale model of a physical part or assembly by using data from a three-dimensional (3d) CAD design to fabricate the part. There are a variety of methods to fabricate the part, including \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
7. Industrial Design is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Also known as, Product Design. Industrial Designers design things like cars, bikes, furniture, tools and equipment, computers, medical devices, house wares, toys.

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Design is the creation of buildings/ objects that are recyclable or are able to leave minor impact on the environment. Also known as ENVIRONMENTAL DESIGN.
2. The main objectives of Sustainable Design are to \_\_\_\_\_\_\_\_\_\_\_\_\_ Reduce Consumption of Non-Renewable Resources, to \_\_\_\_\_\_\_\_\_\_\_\_ waste, and to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ healthy/productive environments.
3. What does LEED stand for? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. LEED was developed by the US Green building council to help with the environment. LEED certified buildings can receive tax credits from the gov’t and other perks as well.

LEED CATEGORIES:

* 1. Sustainable sites credits encourage strategies that minimize the impact on ecosystems and water resources.
  2. Water efficiency credits promote smarter use of water, inside and out, to reduce potable water consumption.
  3. Energy & atmosphere credits promote better building energy performance through innovative strategies.
  4. Materials & resources credits encourage using sustainable building materials and reducing waste.
  5. Indoor environmental quality credits promote better indoor air quality and access to daylight and views.

1. Fill in the point values for the LEED Certification Levels: