

Everett Community College  
Course: ART110 Visual Foundations and Design  
Quarter: Winter 2023  
Instructor: Ayad Almissouri

## Project 2: Golden Section Ratio Fibonacci Sequence, Pattern and Type

Mathematically speaking, the Golden Ratio is a ratio of 1 to 1.618, which is also known as the Golden Number in art and design, creating an aesthetically pleasing image through balance and harmony. These geometric spirals are found in nature. Once you draw one, you will see them everywhere. Students will use The Golden Ratio (1:1.618) to understand and use the Fibonacci Sequence, exploring concepts beyond each alphabetical letter and examine the Pattern and Type to develop their work of art. Student's will explore one or two specific letters from the English alphabet, as a starting point; to investigate each letters symbolical meaning beyond its literal meaning. Students can use any font type, style, standard or cursive text to create their individual works of art. Using your 14in x 17in Vellum Bristol Pad drawing paper, students may select any scale of their choosing. Students have the opportunity to use both the Sharpie Twin and Tip Black Sharpies, a Graphite Pencil and a Helix Locking Compass to create their work of art. Keep in mind to incorporate images and/or references used to complement or balance your letter.

Critique and Due Date: Thursday 26, 2023 at 6:00pm

### Key Artistic Terms:

- The **Fibonacci Sequence** is a series of numbers in which each number is the sum of the two that precede it. Starting at 0 and 1, the sequence looks like this: 1, 1, 2, 3, 5, 8, 13, 21, 34, and so on forever.
- **Symmetry** in art is a formal type of balance that consists of mirroring portions of an image. As a general rule, a symmetrical drawing has identical parts mirrored across the symmetry line, implied or actual.
- **Asymmetry** is often considered a type of symmetry, while it is actually the lack of it. We can find asymmetry in many natural objects, like trees, cloud shapes, natural water bodies, etc.
- **Balance** is the distribution of the visual weight of objects, colors, texture, and space. If the design was a scale, these elements should be balanced to make a design feel stable.
- (In symmetrical balance, the elements used on one side of the design are similar to those on the other side.)
- In asymmetrical balance, the sides are different but still look balanced).
- **Patterns:** can have multiple meanings and elements in design. Repetition focuses on the same object being repeated; patterns are made up from different components which are then repeated in the same way throughout the design.

- **Typography** is the design, or selection, of letter forms to be organized into words and sentences to be disposed in blocks of type as printing upon a page. Typography is a creative discipline focused on the design of characters for alphabets around the world like Roman, Cyrillic, Arabic, the list goes on.

#### What is the Difference Font Types:

- Serif: Extensions of the end of the character terminals.
- Sans-Serif: No extensions on the end of letter strokes.
- Script: Mimics handwriting or calligraphy.
- Monospace: Each character occupies the same horizontal space, mainly used for coding.
- Display: Not designed for body copy

#### Project 2 Materials:

- 14x17 Vellum Bristol Pad
- 18" Stainless Steel Cork Backed Ruler
- Sharpie Twin Tip Black and Sharpie Chisel Tip Black
- Helix Locking Compass and Protractor
- 2B Graphite pencil

#### Art Historical References:

- Leonardo Pisano Fibonacci
- Vitruvian Man, Leonardo da Vinci
- Self-Portrait with Thorn Necklace and Hummingbird, Frida Kahlo
- Mihrab from the Madrasa Imami
- Parthenon, Acropolis Temple to the Goddess Athena
- Leonardo da Vinci, The Annunciation
- Under the Wave off Kanagawa, also known as The Great Wave, from the series Thirty-six Views of Mount Fuji
- A Sunday on La Grande Jatte, Georges Seurat
- Composition with Red, Yellow, Blue, and Black, Piet Mondrian
- Gian Lorenzo Bernini, David

#### Learning Objectives:

- Students will use The Golden Ratio (1:1.618) to understand and use the Fibonacci Sequence.
- Students should explore concepts beyond each alphabetical letter and examine the Pattern and Type to develop their work of art.
- By understanding how to create Balance, students will explore and identify both Symmetrical and Asymmetrical design layouts.
- Grading criteria will be within the accuracy of form and modeling when using Sharpies and 2B Graphite pencil showing variety of unique creativity from each letter and overall craftsmanship.