COURSE OUTLINE

Course Number	Course Title	Credits
ART 103	**Freehand Drawing for Architects**	**3**

Hours: Lecture/Lab/Other **1 Lecture/4 Studio**	**Co- or Pre-requisite**	Implementation Semester & Year **Fall 2022**

Catalog description:
A lecture/studio course for developing the architecture students' freehand drawing skills, with emphasis on analytic and descriptive drawings of buildings, everyday objects, trees, paintings, and people. Media used are pencil, pen and ink, and felt tip pen.

General Education Category:
Not GenEd

Course coordinator: Professor Kyle Stevenson,
stevensk@mccc.edu

Required texts & Other materials: Reference Division Booklist

Course Student Learning Outcomes (SLO):

Upon successful completion of this course the student will be able to:

1. Use line and value to define form. [Supports ILGs #6, 11; PLOs# 2]

2. Demonstrate the use of spatial illusions. [Supports ILGs #6, 11; PLOs# 2]

3. Experiment with media. [Supports ILGs #6, 11; PLOs# 2]

4. Create unified compositions. [Supports ILGs #6, 11; PLOs# 2]

5. Draw human figures, plants, trees, and landscape. [Supports ILGs #6, 11; PLOs# 2]

6. Solve drawing problems and personal visual solutions. [Supports ILGs #6, 11; PLOs# 2]

7. Work independently outside the classroom. [Supports ILGs #4,6, 11; PLOs# 2]

8. Critique drawings and ascertain their primary visual message. [Supports ILGs #1,6,11; PLOs#1, 2,3]

9. Present a finished work. [Supports ILGs #1,6,11; PLOs# 1,2,3,4]

Course-specific Institutional Learning Goals (ILG):

Institutional Learning Goal 1. Written and Oral Communication in English. Students will communicate effectively in both speech and writing.
Institutional Learning Goal 4. Technology. Students will use computer systems or other appropriate forms of technology to achieve educational and personal goals.
Institutional Learning Goal. 6. Humanities. Students will analyze works in the fields of art, music, or theater; literature; philosophy and/or religious studies; and/or will gain competence in the use of a foreign language.
Institutional Learning Goal 11. Critical Thinking: Students will use critical thinking skills understand, analyze, or apply information or solve problems.

Program Learning Outcomes for Visual Arts(PLO)

1. Identify and explain the significant events in the history of art as well as contemporary practices;
2. Discuss and/or integrate different techniques and approaches to art making;
3. Analyze and evaluate artwork verbally and in writing;
4. Create a portfolio for education transfer, employment, or artistic venues.

Units of study in detail – Unit Student Learning Outcomes:

Unit I   Line, Shape, and Space [Supports Course SLO # 1,2,3,4,6,8,9]
Learning Objectives
The student will be able to:
- Draw lines of varying line weight and straightness.
- Identify spatial cues caused by spacing and line weight.
- Recognize and work with positive and negative shape (figure-ground, foreground-background).
- Recognize spatial cues caused by a horizon line.
- Create compositions using lines of varying length and weight, and areas of positive and negative shape.
- Identify design principles such as unity, balance, emphasis, and rhythm.
- Comprehend and apply the principles of orthographic projection (plan & elevation).
- Discuss their own work and that of others using the terms and vocabulary introduced in this unit.

Unit II   Observation and Representation [Supports Course SLO # 1,2,3,4,6,8,9]
Learning Objectives
The student will be able to…
- Observe and draw natural and organic objects such as hands, leaves, and trees using several methods of line drawing.
- Draw using blind contour to increase perception of contour and detail.
- Understand how drawing is constructed in stages including refinement, correction, and gradual increase in accuracy and detail.
- Understand the difference between outline, shape and/or cross contour.
- Observe and draw negative shapes as an aid in drawing positive shapes.
- Use a view frame as an aid to composing and seeing proportional relationships.
- Comprehend and apply principles of orthographic projection (plan and section).
- Discuss their own work and that of others using the terms and vocabulary introduced in this unit.

Unit III   Representing Spaces- Angles and Proportion[Supports Course SLOs #1,2,3,4,5,6,8,9]

Learning Objectives
The student will be able to:
- Identify and draw correctly the variations in the shape of ellipses depending on point of view.
- Identify and draw correctly the variations in angles depending on point of view.
- Identify proportional relationships, check and correct them.
- Identify angles, check and correct them.
- Identify these relationships in artwork and in photographs of buildings.
- Apply these skills to the drawing of geometric and organic objects.

- Discuss their own work and that of others using the terms and vocabulary introduced in this unit.

Unit IV   **Tonal Value and Introduction to Color** [Supports Course SLOs #1,2,3,4,6,8,9]
   Learning Objectives
   The student will be able to…
- Identify and reproduce value relationships
- Develop and practice using a value scale.
- Identify and represent the effects of varying direction of types of light.
- Identify and represent the effect of reflected light.
- Use various methods to represent value.
- Produce drawings in which shapes are created and defined by value relationships.
- Understand the properties of color: value, hue, and intensity.
- Understand the relationship of hues on the color wheel.
- Use various methods to represent color.
- Create textures using value and/or color.
- Discuss their own work and that of others using terms and vocabulary introduced in this unit.

Unit V   **Paraline Drawing & Shades/Shadows** [Supports Course SLOs #1,2,4,6,8,9]
   Learning Objectives
   The student will be able to…
- Understand and apply the principles of paraline drawing to communicate the three-dimensional nature of an object or spatial relationship in a single view.
- Appreciate that the pictorial nature and ease of construction make paraline drawings appropriate for visualizing an emerging idea in three dimensions early in the design process.
- Understand that the advantage of the paraline drawing system is that it can be extended to include boundless and unlocalized field of vision.
- Understand the visual limitations of paraline drawings: they present either an aerial view looking down or a worm's eye view looking upward.
- Appreciate how shades and shadows enhance our perception of the three-dimensional nature of volumes and masses and articulate their spatial relationships.
- Understand and apply the principles of shadow-casting in a paraline drawing.
- Discuss their own work and that of others using the terms and vocabulary introduced in this unit.

Unit VI   **Drawing One & Two-Point Perspective from Observation** [Supports Course SLOs #1,2,3,4,6,8,9]
   Learning Objectives
   The student will be able to…

- Identify the horizon line and vanishing points in photographs and in exterior and interior views.
- Apply one-point perspective systems accurately and consistently to produce drawings that represent interior spaces accurately from observation
- Apply the two-point perspective system accurately and consistently to produce drawings that represent exterior views of buildings and interior spaces accurately from observation.

- Demonstrate the ability to check angles and proportions accurately.
- Discuss their own work and that of others using the terms and vocabulary introduces in this unit.

Unit VII   **Constructing Perspectives from Imagination** [Supports Course SLOs #1,2,3,4,6,7,8,9]
   Learning Objectives
   The student will be able to…
- Utilize a specific one-point perspective drawing system to construct accurate perspective drawings of images from your imagination.
- Utilize a specific two-point perspective drawing system to construct accurate perspective drawings of images from your imagination.
- Demonstrate the ability of check angles and proportions accurately.
- Discuss their own work and that of others using the terms and vocabulary introduces in this unit.

Unit VIII   **Tonal Value and Introduction to Color** [Supports Course SLOs #1,2,3,4,5,6,8,9]
   Learning Objectives
   The student will be able to…
- Apply the skills in Unit 2 and 4 and draw people, trees, and landscaping.
- Apply the skills learning in Unit 3 to draw vehicles.
- Be able to include people, landscaping and vehicles accurately in perspective drawings.
- Discuss their own work and that of others using the terms and vocabulary introduces in this unit.

Unit IX   **Final Project: Three Perspective Views** [Supports Course SLOs #1,2,3,4,5,6,7]
   Learning Objectives
   The student will be able to…
- Demonstrate the ability to do perspective drawings in three specific modes: freehand form from observation and from the imagination and constructed using a specific perspective system.
- Enrich the perspectives by including people, landscaping and vehicles accurately.
- Enrich the perspectives by including value, color and texture.

Evaluation of student learning:
- Assignments-   50%
- Sketchbook/Drawing Journal- 20%
- Portfolio-   20%
- Professionalism-   10%