SCREEN PRINTING & VINYL ART PREPARATION
Course Syllabus

Course Number: ILL-0315  
OHLAP Credit: No
OCAS Code: None
Course Length: 45 Hours
Career Cluster: Arts, A/V Technology & Communications
Career Pathway: Visual Arts
Career Major(s): Visual Graphic Design

Pre-requisite(s):
Course Description: Students learn to design, layout and produce vinyl signage and textile printing.

Textbooks:
Exploring the Elements of Design by Poppy Evans and Mark A. Thomas, Cengage Delmar Learning (2008)
Screen Printing by Sam Hoff, Cengage Delmar Learning (1997)

Course Objectives:
A. Design Screen Printing Projects.
   1. Demonstrate design principles in developing a project such as a brochure, logo, label, or textile design.
   2. Assess the characteristics of textiles as a medium, including design, construction, use, maintenance, and care of textile products.

   1. Prepare camera ready art.
   2. Discuss art preparation for screen-printing.
   3. Prepare art for camera reproduction.
   4. Prepare film or positive image for screen exposure.
   5. Discuss fabrics, inks, and equipment.
   6. Apply exposure steps to screen image.
   7. Discuss exposure techniques.
   8. Sensitize the screen.
      a. Vacuum
      b. Time exposure
      c. Screen washout
   10. Develop screen image.
   11. Prepare screen printing.
   12. Discuss printing techniques.
   13. Examine printing surface to determine proper ink selection.
   14. Discuss curing processes for multi-color.
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15. Align frame(s) and prepare test print.
16. Perform screen-printing on multiple images checking registration periodically.
17. Perform quality control for finished product.
18. Perform reclaiming and degreasing procedures.
19. Perform clean up, reclaiming, and degreasing procedures.
20. Perform shutdown procedures on equipment.

C. Design Vinyl Projects.
1. Demonstrate design principles in developing an original one color design on paper.
2. Scan art into the computer.
   a. Use the live-trace method.
   b. Use the pen tool method.
4. Make sure art is plotter-ready by viewing in outline mode.
5. Save digital art properly accessible to plotter.
6. Utilize FlexSign Pro to import image and prepare for plotting.
7. Know proper placement of text and objects.
9. Demonstrate proper technique of “weeding” a design.
10. Demonstrate proper technique for applying tape to design.
11. Demonstrate proper technique for applying vinyl to various surfaces.
12. Properly use registration marks to plot two and three color designs.

Objectives Required for PASS Visual Art Credit Only

D. Observe, Select, and Utilize a Variety of Ideas and Subject Matter in Creating Original Works of Art.3
1. Create original two-and three-dimensional works of art from observation, memory and imagination using a variety of art media.3
2. Develop and apply skills and techniques using a variety of art media, and processes in making two- and three-dimensional works of art.3
   a. Printmaking3
      1. Media: printing ink, styrofoam, stencil, found objects3
      2. Processes: relief, silkscreen3
   3. Demonstrate safe and proper use, care, and storage of media, materials, and equipment.3

3ODCTE objectives
2States’ Career Clusters - Career Cluster Resources for Arts, A/V Technology & Communications
3Priority Academic Student Skills (PASS) – High School Visual Art
All unmarked objectives are TTC instructor developed.

Teaching Methods: The class will primarily be taught by the lecture and demonstration method and supported by various media materials to address various learning styles. There will be question and answer sessions over material covered in lecture and media presentations. Supervised lab time is provided for students to complete required projects.
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Grading Procedures:
1. Students are graded on theory and shop practice and performance.
2. Each course must be passed with seventy (70%) percent or better.
3. Grading scale: A=90-100%, B=80-89%, C=70-79%, D=60-69%, F=50-59%.

Description of Classroom, Laboratories, and Equipment:
Tulsa Technology Center campuses are owned and operated by Tulsa Technology Center School District No. 18. All programs provide students the opportunity to work with professionally certified instructors in modern, well-equipped facilities.

Available Certifications/College Credit:
The student may be eligible to take state, national or industry exam after completion of the program. College credit may be issued from Oklahoma State University-Okmulgee or Tulsa Community College. See program counselor for additional information.

College Credit Eligibility:
The student must maintain a grade point average of 2.0 or better.