M. C. ESCHER

COMPUTER GRAPHICS

Eleanor K. Brewer, Instructor

OBJECTIVE-all assignments begin with a famous artist in history.
Students present to the class, and will be exposed to, many facts and
their own creations similar to the famous artist, M. C. Escher. They will

1. learn to express their sentiments/ideas/philosophy in the creation
   of their own 2 motif that relate to each other and fit together,
2. learn how to create a pattern using these two-motif tessellations,
3. learn to see and create the difference between negative and
   positive space/shapes; create their Positive to Negative Pattern,
4. learn the compatibility and identity of two software extensions,
5. move files from Paint (with transparent capability) to Photoshop,
6. learn the basics of color using 3 color systems: monochromatic,
   complementary, analogous and gradations with Photoshop,
7. conduct research on famous artist, M. C. Escher,
8. write a 3 page essay describing Escher's life and work,
9. learn to present a narrated animated Power Point that illustrates
   all of the above eight (8) assignments, a 6 weeks unit.

Share their historical portraits with the class visually and orally with
their completed Power Point Presentation on the Big Screen. This
presentation will include all 9 assignments with animated transitions,
sound and narration of the highlights of Escher's life and work.

MATERIALS

- Handout describing M. C. Escher's life, work, and tessellations,
- CPU and Software: Paint and Photoshop,
- Access to the library and or internet and a list of websites,
- CD and Flash Card. This Power Point will be added to assignments in the students' portfolio CD at the end of two trimesters.

- **SET UP AND PREPARE assignments 1 through 8**
- Demonstrate the simplest method of creating the two-motifs
- Illustrate and give examples of tessellation patterns
- Demonstrate and give examples of negative/positive patterns
- Demonstrate how to export files from Paint to Photoshop
- Demonstrate color basics for three color systems and gradation background for all files which will become slides for Power Point
- Assign Escher research 3-page paper. Suggest website url's for student variety in research papers. Show mobius strip animation.
- Assign Power Point **<u>Final</u>** which will include a labeled slide for:
    1. two Motifs that relate to each other,
    2. Pattern – Original self-created tessellation,
    3. Negative/Positive Pattern,
    4. Monochromatic Pattern,
    5. Complimentary Pattern,
    6. Analogous Pattern,
    7. Gradation backgrounds for all files,
    8. Power Point of all the above with animated transitions, sound, and self-narrated M. C. Escher Highlights.
    9. Three Page Paper.