

Immaculate Conception Academy

Digital Art

Mr. Kevin E. Garvin

10 credit elective

- I. Course Description: This is a two-semester course. The first semester acquaints students with the great potential of computer imaging, with the basic principles of good graphic design, and with the tools found in Adobe Photoshop Elements for realizing good design, and gives them a familiarity with Photoshop necessary to use these tools efficiently. The second semester offers the students a basic training in HTML and teaches them how to combine simple HTML with the powerful tools of Photoshop to achieve exciting and effective Web design.
- II. The course is open to Juniors.
- III. Software: *Adobe Photoshop Elements 1.0* with Adobe Photoshop Elements Online Help.
Textbook: There is no student textbook for this class. Hardware: One 250 MB (at least) flash drive for keeping copies of every project.
- IV. Assignments and grading:
1. The student will be responsible for each Photoshop or Web project assigned the class. Each student will keep her projects in her own personal folder under Student Data /Kevin Garvin/her last and first name and on her own USB flash drive for personal use, e.g. to bring her work home or have it printed at her own expense.
 2. Grades will be assigned to the projects gathered in each student's electronic portfolio.
 3. Each project is worth 100 points unless otherwise stated by the teacher.
 4. The grading scale is the same as found on pp. 12-13 of the Student/Parent Handbook.
 5. Students are encouraged to work at home and in the school computer lab during free time, but, because many students do not own the necessary hardware and/or software, there is no formal homework.
- V. The projects are the exams. Student projects are graded individually and gathered in groups called portfolios. Progress reports and quarter grades will be appear as Portfolio 1, 2, etc. Each portfolio will receive one grade for a collection of projects. There are no final exams.
- VI. Late work will be accepted at the teacher's discretion. There will be no extra-credit.
- VII. Course Outcomes:
- First Semester:
1. To get the students comfortable with *Photoshop Element's* layout of workspace, menus, layers palette and tool bar;
 2. To have the students invent their first *Photoshop* projects using ruler and grid, shape (marquee) and color (hexadecimal color box, swatches, hard and soft brushes, bucket, and hue, saturation, brightness box, etc.) sizing and re-sampling tools;
 3. To learn to compose abstract graphic designs using image resolution, multiple layers, transparency, blending modes, texture tools, type tools, selection tools, quick mask tool and clipping groups;
 4. To employ geometric shapes (marquee tools) combined with photographs to create dynamic designs;
 5. To introduce students to photo editing tools in *Elements* (levels, mode, color correction and enhancement, etc.);

6. To scan personal images for use in creating composites;
7. To design a usable monochrome department brochure that balances beauty and utility;
8. To allocate space economically to accommodate text and pictures;
9. To practice using the text tools and editing their text work for typos, bad grammar and poor imaging;
10. To employ imagination and learned *Photoshop* skills in creating printable 4x6 inch Halloween cards;
11. To learn the graphic potential of expressionist and cubist design and techniques;
12. To use the digital camera to make and import into *Photoshop* personal portraits for use in expressionist / cubist self-portraits for exhibition;
13. To create original printable 4x6 inch secular and religious Christmas cards;
14. To harness all that they have learned in the creation of these different projects;

Second Semester:

1. To use *Photoshop* and very basic HTML code to create web pages;
2. To develop a two page web site with each page hyperlinked to the other;
3. To use HTML image mapping as a means of navigating through *Photoshop* designed web sites;
4. To map pixels in a digital image;
5. To create two web monthly calendars with image-mapped dates linking to external web sites;
6. To design and write a six-page history web site with a navigation page and five linked topic pages and corresponding linked external reference web sites;
7. To create a full color print / web poster featuring another student in the class;
8. To use strong modular design to make the statement about the student;
9. To select a word or phrase to characterize the student at a glance;
10. To create and select a strong portrait image of the student to give the poster immediate impact;
11. To combine color, transparency, blends and type style to make a powerful statement;
12. To invent an effective e-business;
13. To use learned HTML and *Photoshop* techniques to create a multi-page web site, which both markets and sells the business products and / or services;
14. To code a basic HTML order form with text boxes, check boxes, radio buttons, and hyperlinks for use with the business site.