Merrillville High School

CAREER AND TECHNICAL EDUCATION COURSE SYLLABUS

Course Information:

High School Course Title & DOE #: Digital Design – 7141 **HS Credits:** 2.0

Length of Course: 2 trimester

Recommended High School Prerequisites: Principles of Digital Design 7140

High School Faculty Information:

Name: Natassia Williams

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Catalog Description:

Digital Design Graphics will help students to understand and create the most common types of computer graphics used in visual communications. Skills are developed through work with professional vector-based and page layout software used in the industry. Additionally, students will be introduced to a full range of image input technology and manipulation including conventional photography, digital imaging, and computer scanners. Students will learn to communicate concepts and ideas through various imaging devices.

Course Objectives:

Vector Graphics

- Navigate within the computer's operating environment.
- Demonstrate a working knowledge of the hardware components and peripherals.
- Execute fundamental type formatting and editing.
- Develop the critical basics of effective page layout software operation.
- Utilize illustration tools to manipulate paths and anchor points.
- Recognize graphic file formats and appropriate uses.

Raster Graphics

- Operate image input devices.
- Explain the physical properties of light and the basic laws of photographic optics (how light behaves).
- Explain the differences between various graphic file formats, image resolution, and proper light levels.
- Create images that use the principles/fundamentals of design.
- Demonstrate the ability to solve communication design problems using imaging.
- Develop hand/computer-imaging skills.
- Apply the rules of effective typography using hand and/or computer skills.
- Demonstrate a variety of imaging methods in application to class projects.
- Be able to assess your work and others constructively and effectively.

Required High School Textbook/Resources:

Signed agreements for tool/hardware use, proper clean up of workstations, and classroom etiquette
Recommended: Flash Drives 32 gigabytes or higher (provided by student)

Grading and Evaluation:

Grades are electronically entered into Skyward. Final exams constitute 20% of overall trimester grade.

Methods of Evaluation:

Diagnostic, hands-on novice level projects, midterm and final exam.

Grading Scale:

92-5-100 = A

89.5-92.49 = A-

86.5-89.49 = B+

82.5-86.49 = B

79.5 - 82.49 = B-

76.5 - 79.49 = C+

72.5 - 76.49 = C

69.5 - 72.49 = C-

66.5 - 69.49 = D+

62.5 - 66.49 = D

59.5 - 62.49 = D-

59.49 and below = F

Attendance/Tardy Policy:

Students are expected to attend class and to let the instructor (Mr. Metz) know by email if they have to be absent for any reason.

Students not in their seat by the sound of the bell (the start of class) will be marked tardy. Students arriving 15 minutes late to class, will need to report to student services for a valid pass. ***Students without a valid tardy pass will not be admitted into the classroom.***

Classroom Etiquette:

- Each student is expected to participate actively in class activities. Active participation involves coming to class prepared, responding to questions, and engaging in class activities and assignments.

- The instructor (Mr. Metz) will provide specific due dates for all assignments on the board, and in Google Classroom. ***Late assignments will be reduced by one letter grade from the grade earned, unless valid communication with the instructor is made, prior to the deadline.***

- Discontinue the use of all electronic devices for the duration of each class. Cell phones are **NOT** permitted in class. If you have an emergency, let the instructor (Mr. Metz) know, before stepping out into the hall so as to not disturb others in the class. If you are using your cell phone instead of paying attention in class, the instructor (Mr. Metz) will ask you to put it away. If the problem persists, you will be sent to Student Services.

- Students are expected to spend approximately five (5) hours a week, on average, completing homework assignments in order to achieve the learning objectives for this 12-week course.

- Each student assumes the responsibilities of being a member of the Merrillville School Corporation academic community. ***All acts of plagiarism will not be tolerated,*** including:

    - *cheating*
    - *claiming one's work as their own*
    - *fabrication/helping one to commit any of these acts.*

  Any violations of academic honesty will receive disciplinary action, according to the rules set forth within the student handbook.

Instructional Methods:

Class discussions, PowerPoint, YouTube, demonstration, teacher modeling, group activities, peer feedback, and individual feedback.

Accommodations:

Students that require any accommodation (such are students with disabilities, religious conflicts, etc...) should notify the instructor as early as possible and accommodations will be made on an individual basis in adherence with the regulations outlined in the student handbook.

Assignments and Tentative Course Schedule:

Class Meeting	Topic	Assigned Work	Work Due and Exams
Week 1	Introductions, Operating in a Computer Environment for Design	Computer Operating Environment Knowledge Check, "Get to know me" worksheet, signed agreement for hardware use.	Computer Operating Environment Knowledge Check, "Get to know me" worksheet, signed agreement for hardware use.
Week 2	Review of COE, Introduction to Illustrator Software Tour	N/A	N/A
Week 3	Advance Illustrator Technique - Saving, Tools, Text	Exercises 1, 2, 3	Exercises 1, 2
Week 4	Advance Illustrator Technique - Text, Paths, Anchors, Shapes	Exercises 4, 5	Exercises 3, 4, 5
Week 5	Putting Illustrator to work	Project 1 - Logo Design	Project 1 - Logo Design
Week 6	Curriculum Review	Midterm Study Guide	Midterm, Midterm Study Guide
Week 7	Color&Light, Photoshop Software Tour	Color and Light WS	Color and Light WS
Week 8	Advanced Photoshop Review, Photoshop Focus - Type, Creative Problem Solving	Exercise 6, Prompts 1, 2, 3	Exercise 6, Prompts 1, 2, 3
Week 9	Creative Problem Solving, Class Critiques	Three Frame Comic Project	Three Frame Comic Project
Week 10	Creative Problem Solving, Class Critiques	Photoshop Battle Project	Photoshop Battle Project
Week 11	Creative Problem Solving, Class Critiques	Full Page Ad Project	Full Page Ad Project
Week 12	Curriculum Review	Final Study Guide	Final Study Guide, Final Exam