

**SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY**

**SAULT STE. MARIE, ONTARIO**



Sault College

**COURSE OUTLINE**

**COURSE TITLE:** COMPUTER GRAPHICS I  
**CODE NO. :** ADV 237 **SEMESTER:** 3  
**PROGRAM:** GRAPHIC DESIGN  
**AUTHOR:** FRANK SALITURI  
**DATE:** 03F **PREVIOUS OUTLINE DATED:** 02F  
**APPROVED:**

	_____	_____
	<b>DEAN</b>	<b>DATE</b>

**TOTAL CREDITS:** 4  
**PREREQUISITE(S):** ADV 122, ADV 110, ADV111, & ADV 113  
**HOURS/WEEK:** 3

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*School of Technology, Skilled Trades & Natural Resources*  
*(705) 759-2554, Ext.688*

**I. COURSE DESCRIPTION:**

This course is a continuation of Introduction to Computer Graphics. The illustrative program 'FreeHand 'will be explored to a more advanced level. Emphasis will be placed on the development of exciting, creative and personalized computer graphic images. Students are introduced to PageMaker, a layout software package, and PhotoShop, a photo manipulating and scanning software package. Students will see how these three software packages can be used in conjunction with each other to create effective design and layout projects.

**II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:**

Upon successful completion of this course, the student will demonstrate the ability to:

**1. Create effective page layouts**Potential Elements of the Performance:

- Demonstrate the ability to properly set column widths based on size of text
- Demonstrate an ability to use visual information hierarchy
- Practice and refine the use of indents and tabs.
- Demonstrate an ability to use the styles palette for consistency
- Demonstrate an ability to balance text and imagery on a page layout

**2. Accurately draw a 3D object using illustration software**Potential Elements of the Performance:

- Effectively use the pen tool
- Demonstrate the proper selection of corner, curve, and connector points to effectively create shapes.
- Apply colours and gradients to achieve 3D representation

### 3. **Produce and use scanned images**

#### Potential Elements of the Performance:

- Demonstrate an ability to select correct scanner settings.
- Determine the correct image size in relationship to the layout.
- Distinguish between photograph, newspaper, or magazine scanning.
- Apply proper RGB, Gray scale, or Line art settings.
- Describe the differences between RGB and CMYK and when to use them
- Effectively use the program PhotoShop to perform basic image manipulations.

### 4. Develop and implement solutions to basic design problems.

#### Potential Elements of the Performance:

- Demonstrate organizational skills such as scheduling, prioritizing, planning, and time management.
- Demonstrate the ability to work within project restrictions and time limitations.
- Make effective design presentations, as per instructor specifications regarding directions and quality.

## **III. TOPICS:**

1. Text layout and formatting
2. Elements of design - line, shape, value, colour
3. File formatting and file management
4. Proper scanning techniques
5. Professional presentation techniques
6. Professional practices

7. Computer illustration techniques

**IV. REQUIRED RESOURCES/TEXTS/MATERIALS:**

100Mb Zip disks – students will be required to purchase matte board and cover stock as assignments warrant.

**V. EVALUATION PROCESS/GRADING SYSTEM:****Assignments = 100% of final grade**

Assignments will constitute 100% of the student's final grade in this course. A missing assignment is equivalent to course objectives not achieved which results in an "R" (repeat) grade for the course.

***DEDUCTIONS – LATES AND INCOMPLETES*****Lates:**

An assignment is considered late if it is not submitted at the time and date specified by the instructor.

A late assignment will be penalized by a 5% deduction for each week that it's late. The total late penalty will be deducted from the final grade. Eg. 3 weeks late = 15% deduction from final grade.

Maximum grade for a late assignment is "C"

A late assignment which is not executed to a minimum C (satisfactory) level will be assigned an incomplete grade with additional penalties outlined below.

**Incompletes**

An incomplete grade is assessed to an assignment which has not been executed to a minimum satisfactory "C" grade level or in which the directions have not been followed correctly.

An incomplete assignment must be entirely re-done or corrected according to the instructor's specific instructions and resubmitted within one week.

An incomplete assignment will be penalized by a 5% deduction from the final grade.

Maximum grade for an incomplete assignment is "C"

Incomplete assignments not submitted within the one week timeframe will be subject to 5% late deductions for each week they are overdue.

**Attendance:**

Significant learning takes place in the classroom setting through an interactive learning approach; therefore students are expected to attend all classes and inform the instructor of an anticipated absence. Attendance is mandatory for this course to ensure the course requirements and objectives are met. A total absence of 3 classes for the semester will be tolerated. After 3 absences penalties will take effect, an additional 10% will be deducted from the final grade for this course per class missed.  
 i.e. 4 classes missed = 10% deduction from final grade  
 5 classes missed = 20% deduction from final grade

**Preliminary Studies:**

- All assignments require preliminary or intermediate steps such as thumbnails, roughs, and preliminary comprehensive layouts.
- These intermediate steps are evaluated according to criteria established by the instructor and submitted according to established timelines. The final grade for each assignment will be an average of the grade achieved for all stages of the assignment. This reinforces the importance of the preliminary stages of each project.

The following semester grades will be assigned to students in postsecondary courses:

<u>Grade</u>	<u>Definition</u>	<u>Grade Point Equivalent</u>
A+	90 - 100%	4.00
A	80 - 89%	3.75
B	70 - 79%	3.00
C	60 - 69%	2.00
F (Fail)	59% and below	0.00
CR (Credit)	Credit for diploma requirements has been awarded.	
S	Satisfactory achievement in field /clinical placement or non-graded subject area.	
U	Unsatisfactory achievement in field/clinical placement or non-graded subject area.	
X	A temporary grade limited to situations with extenuating circumstances giving a student additional time to complete the requirements for a course.	

NR	Grade not reported to Registrar's office.
W	Student has withdrawn from the course without academic penalty.

## VI. SPECIAL NOTES:

### Special Needs:

If you are a student with special needs (e.g. physical limitations, visual impairments, hearing impairments, or learning disabilities), you are encouraged to discuss required accommodations with your instructor and/or the Special Needs office. Visit Room E1204 or call Extension 493 so that support services can be arranged for you.

### Retention of course outlines:

It is the responsibility of the student to retain all course outlines for possible future use in acquiring advanced standing at other postsecondary institutions.

### Plagiarism:

Students should refer to the definition of “academic dishonesty” in *Student Rights and Responsibilities*. Students who engage in “academic dishonesty” will receive an automatic failure for that submission and/or such other penalty, up to and including expulsion from the course/program, as may be decided by the professor/dean. In order to protect students from inadvertent plagiarism, to protect the copyright of the material referenced, and to credit the author of the material, it is the policy of the department to employ a documentation format for referencing source material.

### Course outline amendments:

The Professor reserves the right to change the information contained in this course outline depending on the needs of the learner and the availability of resources.

Substitute course information is available in the Registrar's office.

Research:

Students are encouraged to use extensive research methods for obtaining proper visual references in the brainstorm/ideation process for design problem-solving. Research materials are welcome in the classroom to assist in the development of images. However, the direct copying of research reference is strictly prohibited by copy infringement laws. Wherever possible, the student should use real life visual reference rather than relying on existing two-dimensional imagery.

Homework:

This is a four credit course delivered in a 3 hour supervised format. It is expected that a minimum of one-hour homework be done each week.

Course Expectations:

Significant learning takes place in the classroom through an interactive learning approach; therefore, students are expected to attend all classes and to inform the instructor of an anticipated absence.

**VII. PRIOR LEARNING ASSESSMENT:**

Students who wish to apply for advanced credit in the course should consult the professor. Credit for prior learning will be given upon successful completion of a challenge exam or portfolio.

**VIII. DIRECT CREDIT TRANSFERS:**

Students who wish to apply for direct credit transfer (advanced standing) should obtain a direct credit transfer form from the Dean's secretary. Students will be required to provide a transcript and course outline related to the course in question.