Douglas College

EFFECTIVE: SEPTEMBER 2006
CURRICULUM GUIDELINES

A.	Division:	**INSTRUCTIONAL**	Effective Date:		**September 2006**	
B.	Department / Program Area:	**LANGUAGE, LITERATURE AND PERFORMING ARTS**	Revision	**X**	New Course	
			If Revision, Section(s) Revised:		**G, O**	
			Date of Previous Revision:		**September 2004**	
			Date of Current Revision:		**February 2006**	

C: **STGE 1260** **D**: **INTRODUCTION TO CAD** **E:** **2**

Subject & Course No.	Descriptive Title	Semester Credits

F: Calendar Description:
This course introduces the basic concepts of computer assisted drafting to students. Students will develop skills in two-dimensional drawing using CAD software. A demonstration of 3D applications will also be included. Note: This course is delivered in an intensive eight-week module.

G: Allocation of Contact Hours to Type of Instruction / Learning Settings

Primary Methods of Instructional Delivery and/or Learning Settings:

Lecture/ Lab

Number of Contact Hours: (per week / semester for each descriptor)

Lecture: 4 hours per week / 32 hours per semester
Lab: 2 hours per week / 16 hours per semester

Number of Weeks per Semester:

8 weeks per semester

H: Course Prerequisites:

STGE 1100

I: Course Corequisites:

NONE

J: Course for which this Course is a Prerequisite

NONE

K: Maximum Class Size:

25

L: PLEASE INDICATE**:**

- [ ] Non-Credit
- [ ] College Credit Non-Transfer
- [X] College Credit Transfer:

SEE BC TRANSFER GUIDE FOR TRANSFER DETAILS (www.bctransferguide.ca)

M: Course Objectives / Learning Outcomes

Upon completion of the course, the successful student should be able to:

1. Understand the basic operation of the computer for file management using the current operating platform.
2. Understand the basic concepts of computer assisted drafting and differences from manual drafting.
3. Understand and demonstrate basic two-dimensional drafting techniques using the CAD software.
4. Understand the 3D applications of the software.

N: Course Content:

The computer:

- introduction to operation
- file management
- cad software

Drawing with CAD:

- drawing set up
- stationary templates
- sizing and resizing
- working with walls
- layers
- working with symbols
- dimensioning and text

Introduction to 3D:

- 3D palette
- extrude and sweep

O: Methods of Instruction

Students will receive 2 hours of lecture, 1 hour of lab, and 1 hour of practice twice per week for 8 weeks.

P: Textbooks and Materials to be Purchased by Students

A list of recommended textbooks and materials is provided on the Instructor's Course Outline, which is available to students at the beginning of each semester.

Q: Means of Assessment

1. Work habits, housekeeping, attitude	10%
2. Five projects that demonstrate skills in the fundamentals of CAD drawing	50%
3. Quiz	10%
4. Final project that combines the elements of instruction	30%
TOTAL	100%

R: Prior Learning Assessment and Recognition: specify whether course is open for PLAR

Yes.

Course Designer(s)	Education Council / Curriculum Committee Representative
Dean / Director	Registrar