:	**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.

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: 1 hour per week / 12 hours per semester** **Lab: 3 hours per week / 36 hours per semester** Number of Weeks per Semester: **15 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:

Course Designer(s)   Education Council / Curriculum Committee Representative

Dean / Director   Registrar