VABE-2160/ARCH 2160. 3D Computer Graphics
Learning Outcomes
Last Updated: April 7, 2010
(PDC100308-6.2)

Course Learning Outcomes At the end of this course, the successful student will know and be able to:	**Characteristics of a University of Windsor Graduate** A U of Windsor graduate will have the ability to demonstrate:
A. - demonstrate a mastery of computer graphics' programs, scanners, tablets, digital cameras, and colour printers - create 3D objects using modeling software - apply AutoDesk 3D Studio to create complex animated three dimensional models	A. the acquisition, application and integration of knowledge
B. - discuss recent advances in Computer Aided Design and put them into an architectural context	B. research skills, including the ability to define problems and access, retrieve and evaluate information (information literacy)
C. - synthesise ideas and develop unique approaches to new situations - critically evaluate the appropriateness of 3D modelling techniques - determine the most appropriate solutions and graphic tools to use for given problems	C. critical thinking and problem-solving skills
D. - effectively communicate one's ideas in a multitude of architectural representations - document the development of 3D renderings and design presentations [webpages, sketch books, electronic photographs]	D. literacy and numeracy skills
E. - discuss the current state of CAD and give insight into future technologies and their role in applications and society	E. responsible behavior to self, others and society
F. - explain the basic objectives of the design process - discuss design decisions made during group critiques - communicate design solutions to clients - converse with practitioners about computer graphic techniques	F. interpersonal and communications skills
G. - plan, manage, and execute a substantial design project - evaluate and accurately report on one's own work and the work of others - exhibit professional behaviour and work ethics	G. teamwork, and personal and group leadership skills
H. - adapt and respond to changing situations	H. creativity and aesthetic appreciation
I. - continue learning independently in the acquisition of new knowledge and the refinement of existing skills	I. the ability and desire for continuous learning