

27-243. Structures II**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.- identify, explain and apply the principles of structural behaviour like strength, flexibility, and toughness to building design and construction	A. the acquisition, application and integration of knowledge
B.- select appropriate materials in the design of structures based on factors such as stiffness, elasticity, density, resistance to wear, thermal conductivity, etc.	B. research skills, including the ability to define problems and access, retrieve and evaluate information (information literacy)
C.- articulate how the choice of materials and structural systems affect the final form of buildings	C. critical thinking and problem-solving skills
D. - solve structural problems that apply an understanding of loads, stress, tension, compression, bending, etc.	D. literacy and numeracy skills
E.- discuss the characteristics of building systems which affect human health, safety, and comfort	E. responsible behaviour to self, others and society
	F. interpersonal and communications skills
	G. teamwork, and personal and group leadership skills
	H. creativity and aesthetic appreciation
	I. the ability and desire for continuous learning