

Outcomes Based Learning Matrix

Course: ENGT 140 Intro to Engineering

Department: ENGT

Course Outcomes	Outcome Activities	Assessment Tools
Students will be able to:		
Demonstrate knowledge of the different engineering fields.	Class lectures by experienced engineers in each of the major fields.	Assignments and exams
Construct problem solving strategies for technical issues.	Lectures and group exercises to evaluate and develop problem solving strategies.	Assignments and exams
Be able to demonstrate and understanding of engineering ethics.	Class lectures covering engineering responsibility and impacts to environmental and public safety concerns	Research paper
Be able to reverse engineer a design concept	Lecture and discussions on developing and enhancing existing designs	Reports
Demonstrate an understanding of the tools and resources required to undertake the design, development or re-development of a project	Class lectures and lab participation	Lab Reports