INDUSTRIAL GRAPHICS ING102

SUBJECT DESCRIPTION	The study of this unit introduces students to the processes used in developing ideas, solving graphical problems using drawing techniques used in the senior subject of Graphics. Students will be working exclusively on computer using the Computer aided drafting program AutoCad II (Inventor and Revit) exploring 2D and 3D CADD processes.
PREREQUISITES **Level of junior achievement required to successfully complete the subject**	While there are no prerequisites for this subject it is highly advantagous to have studied some of the Graphics subjects offered in year 8 and 9.
EXPECTED OUTCOMES **Aims of the subject**	For those students who are new and those with previous exposure, the course content endevours to expose students to real-world design problems that can be solved through graphical presentations. Students will develop skills and specialist content knowledge that will allow them to work through 2D and 3D problems examined in senior Industrial Graphics Studies.
COURSE OUTLINE/UNITS	**The course will expose students to 3 main areas of content knowledge :** **(A) Engineering** **(B) Architectural** **(C) Product Design** **This will see students working on problems in a guided montor processes and individual student driven design problem solving.**
ASSESSMENT/ WORKLOAD **Expected work and study requirements**	There are 3 methods of assessment used to assess the depth and breath of the students learnings during the course. (A) Students will be assessed on the quality and quantity of completed classwork tasks. (B) An individual in-class practical design assignment. (C) Examination covering the content studied during the course.
BENEFITS OF STUDYING THIS SUBJECT **Career prospects / relevance to the future**	If students have a desire to take up any of the following occupations or professions it is HIGHLY advisable to consider studying an Introduction to Industrial Graphics. Carpenter Cabinet Maker Shop Fitter Wood Machinest Pattern Maker Brick Layer Land Scaper Electriction Plumber Fitter & Turner Boiler Maker Mechanic Graphic Designer Draftsperson Regional & Town Planner Cartographer Manual Arts --------- TAFE Teacher Architect Landscape Architect Landscape Designer Engineering
CONTACT PERSON	**Mr N. Jesse Head of Department Manual Arts**