

Graphic Communication: What is it and How Can we teach it to Engineering Students?

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Faculty: Engineering and Built Environment



Attributes include the ability to:

- undertake problem identification, formulation and solution
- communicate effectively, not only with engineers but also with the community at large
- function effectively as an individual and in multi-disciplinary and multi-cultural teams

Drawing Advantages the Practicing Engineer:

- need for practitioners to be effective communicators
- ability to draw to support ideation during the design process

Drawing included in this course

- Freehand sketching
- * CAD

Focus of the course

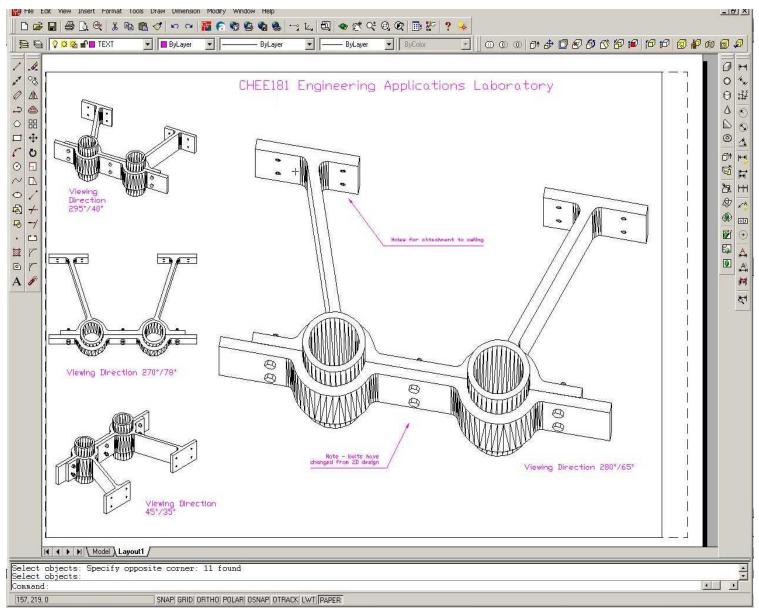
- Practical industry based, manufacturing project experience
- *Risk management processes and practices
- *Ability to relate design concepts to others
- Formal drawing skills

The Instructional Methodology

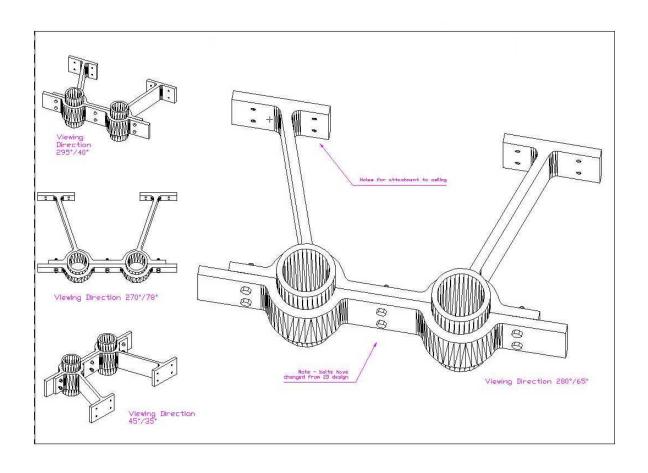
A project-centred learning approach was introduced with the theme of valve systems. The theme was followed through the course components:

- *****CAD
- *****Sketching
- Industry processes

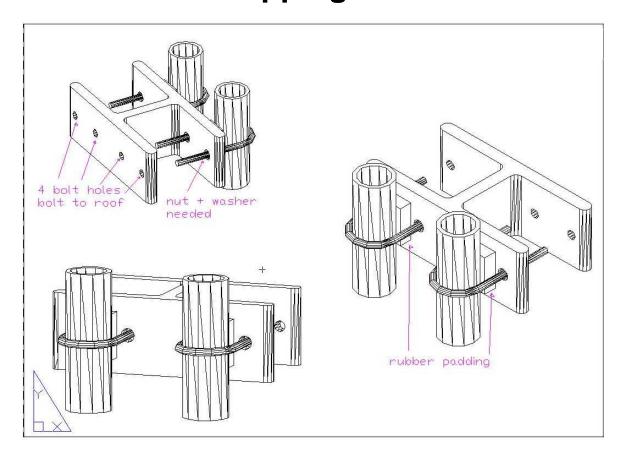




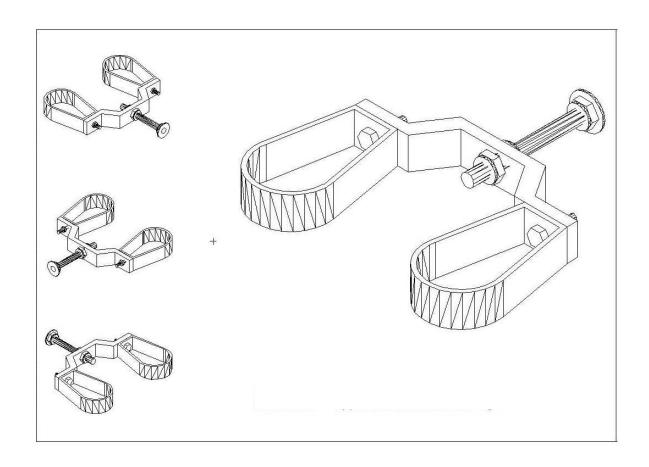
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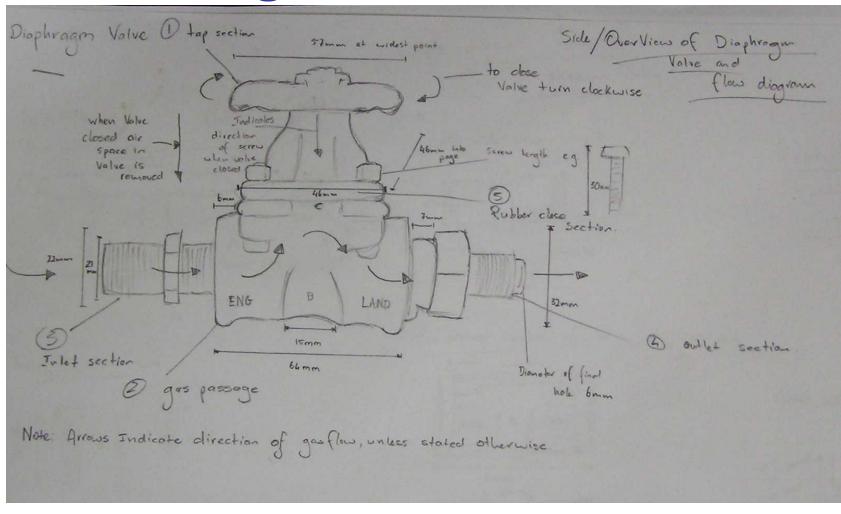
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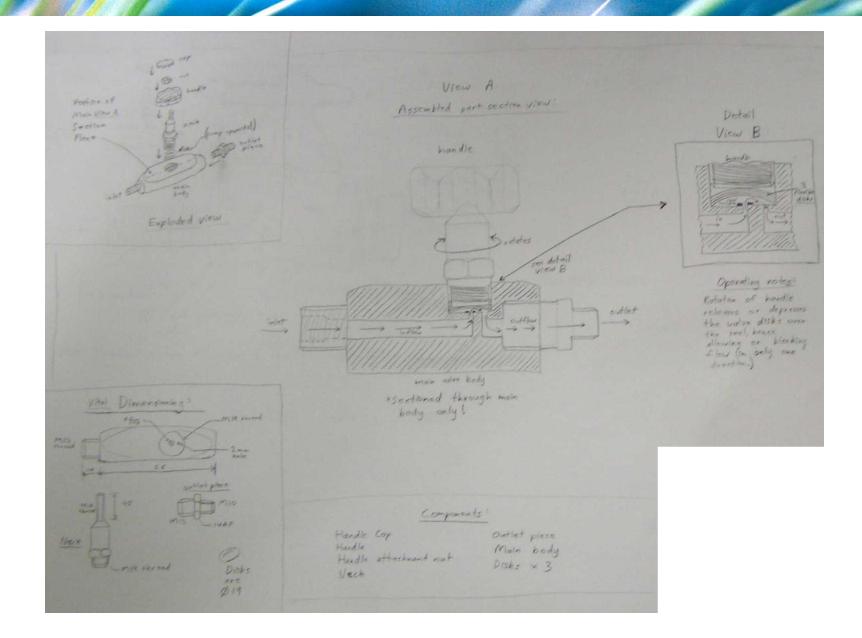


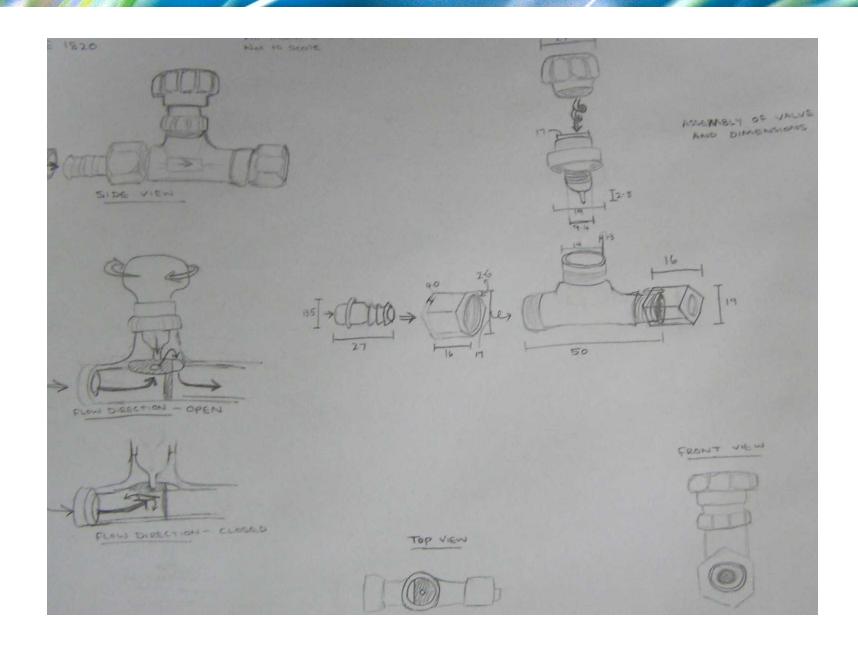
Work from Another Student

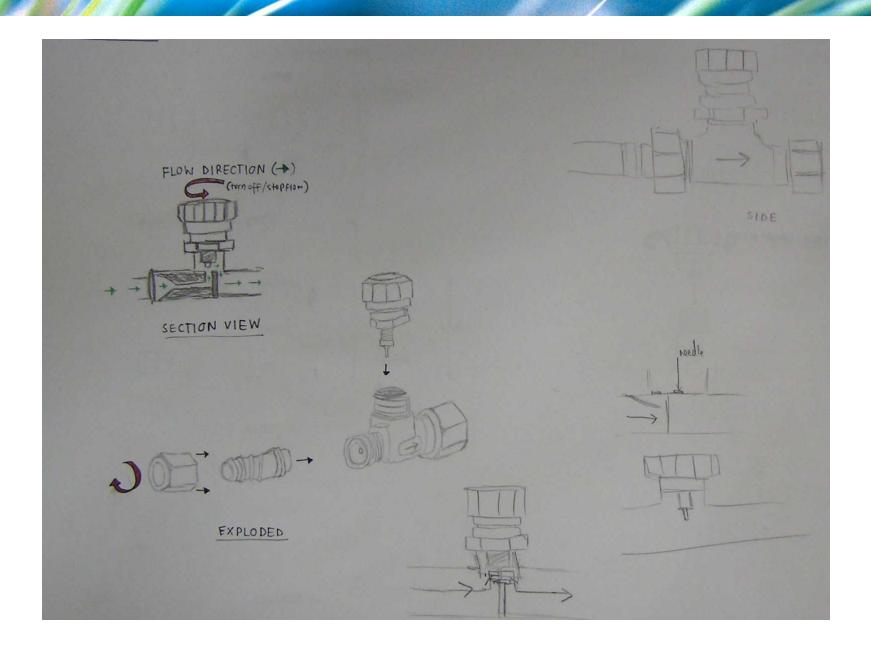


Sketching

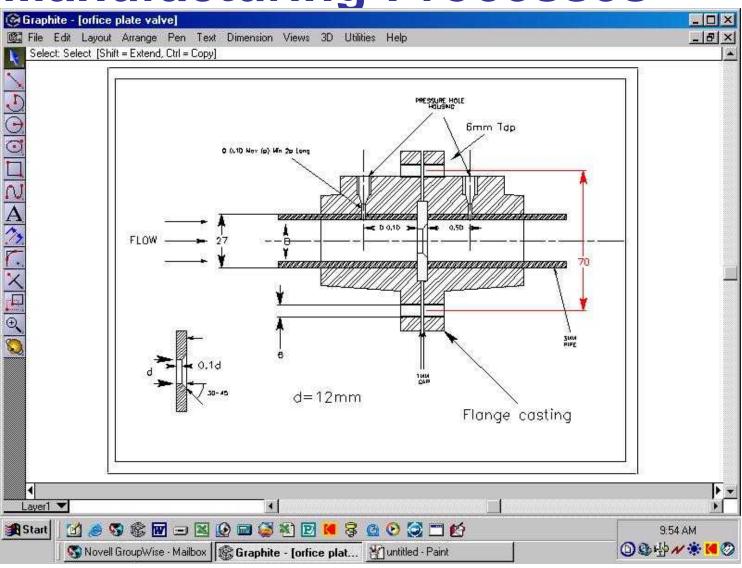








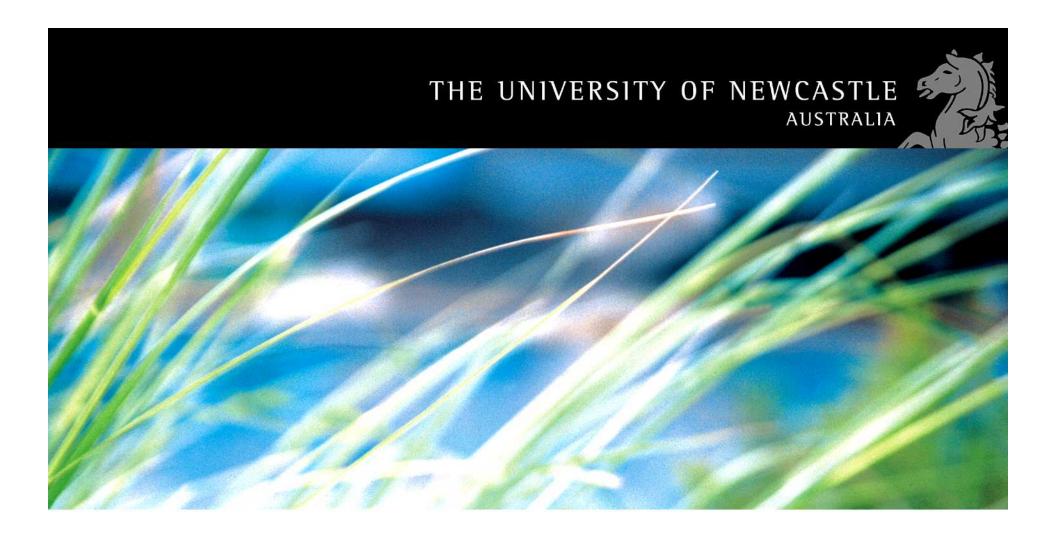
Manufacturing Processes





Success of Course

- Integration
- * Student Attitudes
- Competency levels



Questions/Thank you etc.

