

1. Title	Lofting and modelling according to hull-line diagrams
2. Code	EMSRDE203A
3. Range	In ship design, apply the techniques and knowledge of figure drawing and picture drawing to produce ships' hull-line diagrams by elementary lofting and modeling (2D such as: folding graphics in oblique angle) .
4. Level	2
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Principles of lofting and modeling according to ship line-diagrams</p> <ul style="list-style-type: none"> ◆ Master drawing and model techniques and apply geometric principles to produce ship line-diagrams ◆ Understand the principles of lofting and modelling and points to note of relevant procedures <p>6.2 Methods of hull lofting and modeling</p> <ul style="list-style-type: none"> ◆ Effectively use appropriate tools and equipment to loft and model hull line-diagrams <p>6.3 Professionalism in hull lofting and modeling</p> <ul style="list-style-type: none"> ◆ Follow the specification requirements of drawings or models to make models of ship components with handicraft skills
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to correctly select and use appropriate tools to loft and model hull line-diagrams; and</p> <p>(ii) Capable to pass the comparison of standard gauge as an assessment of skill level.</p>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of reading ship-hull drawings.