

MODULE DES3170: VISUALIZING THE FUTURE

Level: Advanced

Theme: Business/Issues/History

Prerequisite: None

Module Description: Students explore new possibilities in design, including the role of the designer and the challenges that are faced by the designers.

Module Parameters: Basic sketching, drawing and modelling tools and equipment and access to a computer for research and design discipline. Specialized equipment or facilities depend on the approach taken to the module.

Note: It is recommended that students have access to instruction from an individual with formal, specialized training in a design discipline.

Supporting Module: DES2060 The Evolution of Design

Curriculum and Assessment Standards

Module Learner Expectations	Assessment Criteria and Conditions	Suggested Emphasis
<p><i>The student will:</i></p> <ul style="list-style-type: none">identify a potential design challenge; e.g., a habitat for a space colony, and design a solution for it	<p><i>Assessment of student achievement should be based on:</i></p> <ul style="list-style-type: none">production of drawings and/or models and/or prototypes of a designed solution. <p><i>Assessment Tool</i> <i>Project Assessment: Visualizing the Future (DES3170-1)</i></p> <p><i>Standard</i> <i>Performance rating of 3 for each criteria</i></p>	60
<ul style="list-style-type: none">provide research supporting the design solution	<ul style="list-style-type: none">presentation of research in writing and/or through discourse during the presentation/critique. <p><i>Assessment Tool</i> <i>Presentations/Reports: Visualizing the Future (DES3170-2)</i></p> <p><i>Standard</i> <i>Performance rating of 3 for each criteria</i></p>	20

MODULE DES3170: VISUALIZING THE FUTURE (continued)

Concept	Specific Learner Expectations	Notes
Applied Problem Solving	<p><i>The student should:</i></p> <ul style="list-style-type: none"> • write a project brief detailing the problem to be solved and structure a plan for resolution • create a designed solution • research future design and apply it to the design problem • rationalize design decisions made based on research findings. 	<p>This module will help students consider future design possibilities. The problems identified might have to do with space or undersea exploration, medicine or genetics, high fashion or survival gear. The possibilities are endless. The important feature of this module is to provide students with the impetus to positively challenge the future and to break away from their current paradigms.</p>
Presentation, Design Journal and Portfolio	<ul style="list-style-type: none"> • see Specific Learner Expectations for 2-D Design Studio 1 • present interim findings for teacher/peer review and input • maintain and update a portfolio as described in 2-D Design Studio 1. Additions from this module would include all project related material (e.g., a bibliography of research sources, presentation paper, design solution, videotape of presentation), the design journal, and appropriate supplementary material. 	<p>See notes from other Studio modules.</p>

