

CURRICULUM ALIGNMENT – Transporting Nuclear Materials

Nunavut

Grade	Course Name and Number	Unit	Outcome
10	Course DES1020	The Design Process	Outcome 1: Identify the steps in the design process.
10	Course DES1020	The Design Process	Specific Outcome 1.1: Recognize and apply the components of the design process, including: <ul style="list-style-type: none"> • 1.1.1 identifying the problem or need (design brief) • 1.1.2 researching the problem • 1.1.3 generating ideas and visualizing potential solutions • 1.1.4 choosing the best solution • 1.1.5 choosing the best method of presentation • 1.1.6 making or modelling a solution • 1.1.7 presenting the solution • 1.1.8 evaluating the solution
10	Course DES1020	The Design Process	Outcome 2: Apply the steps in the design process through production of a designed solution.
10	Course DES1020	The Design Process	Specific Outcome 2.1: Follow the design process to create solutions for one or more 2-D or 3-D projects.
10	Course DES1020	The Design Process	Specific Outcome 2.2: Select and use appropriate tools and materials as outlined in the design brief.
10	Course DES1020	The Design Process	Specific Outcome 2.3: Effectively communicate intentions and decision making related to the design project; e.g. form, function, aesthetics.
10	Course DES1020	The Design Process	Outcome 3: Present a portfolio-ready drawing, rendering or model that the student produced.
10	Course DES1020	The Design Process	Specific Outcome 3.1: Present sketches, drawings and/or models for assessment.
10	Course DES1020	The Design Process	Specific Outcome 3.2: Maintain a design folder, journal or sketchbook as part of the portfolio of ongoing observational drawing and modelling activities.

10	Course DES1020	The Design Process	Outcome 6: Demonstrate basic competencies.
10	Course DES1020	The Design Process	Specific Outcome 6.1: Demonstrate fundamental skills to: <ul style="list-style-type: none"> • 6.1.1 communicate • 6.1.2 manage information • 6.1.3 use numbers • 6.1.4 think and solve problems
10	Course DES1020	The Design Process	Specific Outcome 6.3: Demonstrate teamwork skills to: <ul style="list-style-type: none"> • 6.3.1 work with others • 6.3.2 participate in projects and tasks
10	Course DES1040	3-D Design 1	Outcome 1: Identify and practice 3-D design techniques within the parameters of a design brief to appropriate scale; e.g. process, production and presentation.
10	Course DES1040	3-D Design 1	Specific Outcome 1.2: Demonstrate various techniques to provide design solutions; e.g. packaging, garment, architectural model.
10	Course DES1040	3-D Design 1	Outcome 2: Identify and use tools and materials common to 3-D design; e.g. modelling software, foam core board, fabric, wood.
10	Course DES1040	3-D Design 1	Specific Outcome 2.1: Demonstrate basic skills using tools and materials
10	Course DES1040	3-D Design 1	Specific Outcome 2.2: Select and use appropriate tools and materials as outlined in the design brief.
10	Course DES1040	3-D Design 1	Outcome 4: Use 3-D design techniques to solve simple design problems.
10	Course DES1040	3-D Design 1	Specific Outcome 4.1: Demonstrate techniques common to 3-D design by: <ul style="list-style-type: none"> • 4.1.1 brainstorming ideas • 4.1.2 manipulating forms and space • 4.1.3 practising basic modelling techniques • 4.1.4 relating materials and techniques
10	Course DES1040	3-D Design 1	Specific Outcome 4.2: Prepare portfolio-ready product.

10	Course DES1040	3-D Design 1	Specific Outcome 4.3: Select and solve one or more 3-D design problems using the design process.
10	Course DES1040	3-D Design 1	Outcome 5: Produce and present a portfolio-ready drawing, image, model, rendering or animation.
10	Course DES1040	3-D Design 1	Specific Outcome 5.1: Present images or model for assessment.
10	Course DES1040	3-D Design 1	Specific Outcome 5.2: Maintain a design folder, journal, or sketchbook as part of the portfolio of ongoing observational drawing activities.
10	Course DES1040	3-D Design 1	Outcome 8: Demonstrate basic competencies.
10	Course DES1040	3-D Design 1	Specific Outcome 8.1: Demonstrate fundamental skills to: <ul style="list-style-type: none"> • 8.1.1 communicate • 8.1.2 manage information • 8.1.3 use numbers • 8.1.4 think and solve problems
10	Course DES1040	3-D Design 1	Specific Outcome 8.3: Demonstrate teamwork skills to: <ul style="list-style-type: none"> • 6.3.1 work with others • 6.3.2 participate in projects and tasks
11	Course DES2045	3-D Design 2	Outcome 1: Plan and produce solutions to 3-D design briefs.
11	Course DES2045	3-D Design 2	Specific Outcome 1.1: Select and use appropriate tools and materials as outlined in the design brief.
11	Course DES2045	3-D Design 2	Specific Outcome 1.1: Apply the design process to solve a 3-D design problem; e.g. software modelling, cutting, joining, bending, measuring.
11	Course DES2045	3-D Design 2	Outcome 2: Incorporate the elements and principles of design to achieve the design solution.
11	Course DES2045	3-D Design 2	Specific Outcome 2.1: Apply techniques, tools, materials, and other resources in design solution; e.g. tone, texture and colour, markers and paints, images, typeface, drawing, layout, measuring, notation, rendering, assembly drawing and correct use of tools.

11	Course DES2045	3-D Design 2	Specific Outcome 2.2: Use mathematical and/or scientific principles as they apply to design projects assigned; e.g. organization of visual space, measurement of internal space, borders, columns, use of scale.
11	Course DES2045	3-D Design 2	Outcome 3: Present a portfolio-ready drawing, image, or rendering.
11	Course DES2045	3-D Design 2	Specific Outcome 3.2: Discuss intentions and decision making related to the application of elements and principles of design.
11	Course DES2045	3-D Design 2	Specific Outcome 3.3: present images and/or model(s) for assessment
11	Course DES2045	3-D Design 2	Specific Outcome 3.4: Maintain a design folder, journal or sketchbook as part of the portfolio of ongoing observational drawing activities that illustrates skill building.
11	Course DES2045	3-D Design 2	Outcome 6: Demonstrate basic competencies.
11	Course DES2045	3-D Design 2	Specific Outcome 6.1: Demonstrate fundamental skills to: <ul style="list-style-type: none"> • 6.1.1 communicate • 6.1.2 manage information • 6.1.3 use numbers • 6.1.4 think and solve problems
11	Course DES2045	3-D Design 2	Specific Outcome 6.3: Demonstrate teamwork skills to: <ul style="list-style-type: none"> • 6.3.1 work with others • 6.3.2 participate in projects and tasks