**Stage 2 Digital Communication Solutions**

***Assessment Type 2: Design Process and Solution***

**PURPOSE**

Student’s design and produce a solution (product – series of 6-8 photos) to showcase 1 specific photographic technique and theme, in response to the design brief developed in their Folio. In the series, students have a choice of what camera device and editing software they will use (due to COVID-19 limitations). Students must show evidence of camera set-up, compositional techniques, justification of editing software decisions, and evaluation in the realisation and production of their Solution.

**DESCRIPTION OF TASK**

Students will collate all evidence of their Design Process & Solution in a **Folio (PowerPoint)**. The Folio must showcase and evaluate the Solution.

**Section 1. Investigation & Analysis**

* Design Brief - Identifying photography technique, theme/purpose and outline constraints and considerations.
* Photography technique (e.g., short depth of field)
* Theme (e.g., nature)
* Photography Equipment (e.g., tripod, lighting, lenses etc.)
* Possible digital editing software (e.g., photoshop)
* Photo Output
* Resource Investigation

**Section 2. Design Developing & Planning**

**Communicate your design concept using technical language and visual representations. Plan, develop,**

**test and validate concepts and procedures.**

**Concept Visual Representations**

* Include images of any photography inspiration, ideas and concepts (existing photos you like of your technique and theme, or photographer inspiration etc.). Include evaluative comments that identify the thinking behind your decisions.

**Photo Planning & Photo Composition**

* Include process photos of your camera technique and theme, demonstrating evidence of camera settings/modes, compositional techniques focus (e.g., angle, pattern and shape) and experimentation.
* Include evaluative comments discussing your intent in taking the photos (objects you photographed and in what environment), subject focus in photos, compositional techniques focus, environment/ setting, camera settings/modes and problem solving (successes and challenges).

**Section 3. Production**

**Solution Production**

* Application of skills, planning, processes, and techniques to create final Solution.

**Photo Editing**

* Evidence (screenshots, annotative & evaluative comments) of digital editing software techniques and demonstration of experimental considerations in at least 3 of your photos. If you’re choosing to NOT edit specific photos, you will need to justify your reasons for not choosing to edit your photos.

**Section 4. Evaluation**

* Final Evaluation reflecting on the success of the photography technique & theme and Solution processes, including reference to the design brief intentions, problem solving (successes & challenges, including how outside challenges have affected production of photos), recommendations/modifications if there was to be another realisation created.

**Your Folio must include visual documentation of the process of your Solution accompanied by annotative and evaluative comments and/or video and voice recordings.**

**ASSESSMENT CONDITIONS**

* The task should be up to a total maximum of 3000 words, or the equivalent in multimodal form (where 6 minutes is equivalent to 1000 words). The task must showcase and evaluate the solution.
* **Due Date:** **Week 4, Term 4**

***ASSESSMENT DESIGN CRITERIA:***

Investigation & Analysis

I1 Analyse the design features of products, processes, materials, systems, and/or production techniques.

I2 Analyse ethical, legal, economic, and/or sustainability issues related to a solution.

Design Development & Planning

D1 Communicate design concepts using technical language and visual representations.

D2 Plan, develop, test, and validate concepts and procedures.

Production

P1 Application of skills, processes, procedures, and techniques to create a solution.

P2 Development of solutions to technical problems or recommendations for improvement.

**Evaluation**

**E1** Evaluation of the solution features, realisation process, and /or response to issues.

Performance Standards for Stage 2 Design, Technology, and Engineering

| - | Investigation and Analysis | Design Development and Planning | Production | Evaluation |
| --- | --- | --- | --- | --- |
| A | Comprehensive and insightful analysis of the design features of products, processes, materials, systems, and/or production techniques.  Purposeful research and critical analysis of ethical, legal, economic, and/or sustainability issues. | Insightful and comprehensive communication of design concepts. using relevant technical language and visual representations.  Insightful and thorough planning, development, testing, and validation of design concepts and procedures. | Highly proficient application of skills, processes, procedures, and techniques to create a solution.  Comprehensive development of solutions to technical problems that arise during the solution realisation. | Comprehensive and insightful evaluation of the solution features, realisation process, and/or response to issues. |
| B | Thoughtful and well-considered analysis of the design features of products, processes, materials, systems, and/or production techniques.  Detailed research and well-considered analysis of ethical, legal, economic, and/or sustainability issues. | Thoughtful and well-considered communication of design concepts, using relevant technical language and visual representations.  Well-considered planning, development, testing, and validation of design concepts and procedures. | Proficient application of skills, processes, procedures, and techniques to create a solution.  Thoughtful development of solutions to technical problems that arise during the solution realisation. | Well-informed and detailed evaluation of the solution features, realisation process, and/or response to issues. |
| C | Considered analysis of the design features of products, processes, materials, systems, and/or production techniques.  Research and some analysis of ethical, legal, economic, and/or sustainability issues. | Clear communication of design concepts, using technical language and some visual representations.  Competent planning, development, testing, and validation of some design concepts and procedures. | Competent application of skills, processes, procedures, and techniques to create a solution.  Development of solutions to technical problems that arise during the solution realisation. | Considered evaluation of the solution features, realisation process, and/or response to issues. |
| D | Identification of the design features of products, processes, materials, systems, and/or production techniques.  Some description of information about ethical, legal, economic, and/or sustainability issues. | Basic communication of design concepts, using some technical language.  Some planning and development of design concepts and/or procedures. | Basic application of some skills, processes, procedures, and techniques to create a solution.  Some endeavour to develop solutions to technical problems that arise during the solution realisation. | Some description of the solution features, realisation process, and/or response to issues. |
| E | Attempted identification of the design features of products, processes, materials, systems, and/or production techniques.  Some accessing of information about ethical, legal, economic, and/or sustainability issues. | Superficial and simplistic communication of design concepts.  Limited use of information to plan design concepts. | Limited application of emerging skills.  Attempted development of a solution to a technical problem. | Emerging recognition of the solution features, realisation process, and/or response to issues. |