

SM4712C: GRADUATION THESIS/PROJECT

Effective Term

Semester A 2022/23

Part I Course Overview

Course Title

Graduation Thesis/Project

Subject Code

SM - School of Creative Media

Course Number

4712C

Academic Unit

School of Creative Media (SM)

College/School

School of Creative Media (SM)

Course Duration

Two Semesters

Credit Units

0-6

Level

B1, B2, B3, B4 - Bachelor's Degree

Medium of Instruction

English

Medium of Assessment

English

Prerequisites

One of the following Art and Science Studio courses:
SM3803 Generative Coding Studio or
SM3804 Materials and Fabrication Studio or
SM3805 Imaging Science Studio or
SM3806 Special Topics in Art and Science Studio I or
SM3807 Mathematics and Robotics Studio or
SM3808 Special Topics in Art and Science Studio II or
SM3809 Software Art Studio

Precursors

Nil

Equivalent Courses

Nil

Exclusive Courses

Nil

Part II Course Details**Abstract**

SM4712C Graduation Thesis (GT) is a yearlong research based and process-oriented graduation project for BAS students within SCM. At the end of the course student must create an art work. The art work can be in any form or presented in any media. The only requirement of the work is it should contain element(s) in both Art and Science.

The project is separated in two semesters. In Semester A, the student develops the idea of the work and creates a prototype based on the ideas. In Semester B, the student creates the art work based on the prototype and makes a formal presentation, including oral defence, of the finished art work.

Course Intended Learning Outcomes (CILOs)

CILOs		Weighting (if DEC-A1 DEC-A2 DEC-A3 app.)			
1	Draw on concepts and techniques from the sciences for artistic purpose.		x	x	
2	Articulate the individual learning experience in the form of a carefully reasoned proposal for a graduation thesis.		x		x
3	Design and manage a research process in an open-minded way, accompanied by creative problem solving			x	x
4	Extend thesis ideas in a written, creative, and/or technical work of defendable quality			x	x
5	Integrate the ideas in art, science and humanities and communicate these ideas to the public in creative ways.		x	x	x

A1: Attitude

Develop an attitude of discovery/innovation/creativity, as demonstrated by students possessing a strong sense of curiosity, asking questions actively, challenging assumptions or engaging in inquiry together with teachers.

A2: Ability

Develop the ability/skill needed to discover/innovate/create, as demonstrated by students possessing critical thinking skills to assess ideas, acquiring research skills, synthesizing knowledge across disciplines or applying academic knowledge to real-life problems.

A3: Accomplishments

Demonstrate accomplishment of discovery/innovation/creativity through producing /constructing creative works/new artefacts, effective solutions to real-life problems or new processes.

Teaching and Learning Activities (TLAs)

TLAs	Brief Description	CILO No.	Hours/week (if applicable)
1	Stage 1	- Develop GT art work ideas based on reading and research. - Write the art work ideas proposal.	1, 2, 3, 4

2	Stage 2	- Build the art work prototype based on the ideas.	1, 3	
3	Stage 3	- Execute the planned and evolved methodologies to develop a final draft of the art work.	3, 4, 5	
4	Stage 4	- Write theoretical text of the art work.	3, 4, 5	
5	Stage 5	- Create the art work based on prototype. - Present the final art work and perform oral defence for the finished work.	1, 3, 4, 5	

Assessment Tasks / Activities (ATs)

ATs	CILO No.	Weighting (%)	Remarks (e.g. Parameter for GenAI use)	
1	Proposal & prototype	1, 2, 3, 4	30	to be assessed by GT advisor in Sem A
2	Final draft	3, 4, 5	10	to be assessed by GT advisor and one SCM faculty in Sem B
3	Theoretical text	3, 4, 5	20	to be assessed by GT advisor and one SCM faculty in Sem B
4	Oral defence & finished art work	1, 3, 4, 5	40	to be assessed by GT advisor and one SCM faculty in Sem B

Continuous Assessment (%)

100

Examination (%)

0

Assessment Rubrics (AR)**Assessment Task**

1. Idea development proposal

Criterion

ABILITY to EXPLAIN the methodology and procedure

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Basic

Failure (F)

Not even reaching marginal levels

Assessment Task

2. Prototype

Criterion

CAPACITY for SELF-DIRECTED LEARNING to create a working prototype based on the RESEACH done in the proposal

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Basic

Failure (F)

Not even reaching marginal levels

Assessment Task

3. Theoretical text

Criterion

ABILITY to EXPLAIN the methodology and procedure

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Basic

Failure (F)

Not even reaching marginal levels

Assessment Task

4. Final draft, oral defence & finished art work

Criterion

CAPACITY for SELF-DIRECTED LEARNING to create art work integrated with science elements and with aesthetic value

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Basic

Failure (F)

Not even reaching marginal levels

Additional Information for AR

All A+/A/A- grade assignment should comply with the highest performance of Discovery-oriented learning.

Part III Other Information

Keyword Syllabus

Nil

Reading List

Compulsory Readings

Title	
1	Nil

Additional Readings

Title	
1	Miller A. I. (2014). Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art. W. W. Norton & Company.