The Hong Kong University of Science and Technology

Division of Arts and Machine Creativity (AMC)

AMCC5000, in Fall 2025/26

Course code: AMCC5000 (3 credits)

Course title: Creative Convergence: Foundations of Arts and Machine Creativity

Abbreviated title: Creative Convergence

Course instructor: Taught by multiple AMC faculty members and guest speakers

Target students: MA/MPhil/PhD students

Class quota: 80

Grading requirement: Letter grades

Course description:

This foundational course will be delivered by various AMC faculty members to encompass a broad spectrum of topics related to art and machine creativity, including Introduction to Art and Technology, Machine Creativity Tools and Techniques, as well as discussions related to Art, Technology, and Society.

Enrolment requirement: N.A.

Course Intended Learning Outcomes

On successful completion of the course, students will be able to:

- 1. Demonstrate an understanding of the interplay between art and technology, including historical and contemporary contexts.
- 2. Acquire practical skills in using various machine creativity tools and techniques, enabling the creation of innovative artistic works.
- 3. Analyze and evaluate the societal implications of technological advancements in the arts, fostering informed discussions on ethical considerations.
- 4. Apply creative problem-solving strategies to integrate technology into artistic practices, resulting in original projects.
- 5. Work effectively in interdisciplinary teams, demonstrating strong communication and collaborative skills in the context of art and technology.
- 6. Identify and critically assess current trends and emerging technologies in art and machine creativity, preparing for future developments in the field.

Teaching and learning activities:

- 1. Seminars
- 2. Group projects

Planned Assessment & Weightings:

| Assessment | Percentage |
|----------------------|------------|
| Course Participation | 20% |
| Written Assignment | 30% |
| Final Presentation | 50% |

Weakly Course Outline

| Week | Topics | Briefly outline what this topic will cover (Include reading assignments if | Indicate which course ILOs this topic is related to (Write CILO-1, CILO-2, etc.) |
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| | | available) | |

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Student learning resources: