Annex V

THE UNIVERSITY OF HONG KONG

Credit Unit Statement (CUS) of Taught Programmes

Faculty / Offering Unit: School of Innovation

Programme title: Bachelor of Science in Innovation and Technology

Applicable student cohort(s): 2025-26 and thereafter

The Bachelor of Science in Innovation and Technology curriculum offers three types of courses, namely, Foundation courses, Project Workshop courses, and Co-op experience. In all cases, hands-on experience, either in the form of a large-scale open-ended innovation project in the Project Workshop Courses, or hands-on exercises that complement lectures in Foundation Courses, plays a central role in the delivery of course material.

Foundation Courses are offered as 6-credit courses, while Project Workshop courses are offered as either 6-credit single-semester courses or extended 12-credit courses that span two semesters. The Major in Innovation and Technology consists of 96 credits of course work, which include a total of 2400 hours of student learning activities and 492 – 576 contact hours.

There are _3___ categories of courses in this programme, as outlined below:

1. Foundation Courses (6 credits per course)

These courses aim at providing students with a solid foundation in skills and knowledge across science, mathematics, engineering, design, and business. Both theoretical understanding and practical skillsets necessary to practice the topics concerned will be covered. Materials will be delivered and practiced through lectures, tutorials, workshops and lab works, with both theoretical understanding and practical skill complementing one another. Approximately 150 hours of student learning activity, including 24 – 36 contact hours, are expected from the students across all forms of learning and practical work. Students will be assessed by a combination of continuous assessment during the semester (70% to 100%) and as well as a written examination in some courses (0% to 30%). Written output shall not exceed 3,000 words. Please refer to the syllabus for detailed assessment ratios for different courses.

2. Project Workshop Courses (6 or 12 credits per course)

These project courses allow students to master the innovation process through addressing ill-defined real-world challenges. The emphasis is on the innovation process and students are assessed through continuous assessment on their progress throughout the course by their academic supervisor and industrial mentors. These project courses are offered either as 6-

credit courses that span one semester or as 12-credit extended courses that span two semesters. In the case of the single-semester 6-credit project courses, 150 hours of student learning activity, including 36 hours of contact hours, are expected. In the case of the two-semester 12-credit project courses, 300 hours of student learning activity, including 72 hours of contact hours, are expected.

In these courses, students will be working in teams under the mentorship of academic supervisors and community partners to co-create innovation projects that address real-world needs. Students are expected to take active roles in the innovation process from project ideation, solution proposal, to prototyping the ideas, and finally applying the solution to the real world in the form of a business proposal. In the 12-credit extended project workshop courses, students are additionally expected to fully develop the solution beyond the prototyping stage and to undergo field tests and to iterate the solutions in real-world settings based on user feedback. The projects in the extended project workshop courses are expected to be fully developed by the end of the course. To allow time for project development, these extended courses will span two semesters, which usually begins at semester 2 of an academic year and ends at the end of the following summer. Each course will begin with short lectures that introduce the target domain and its relationship to the innovation process. Students then form groups and engage with community partners in the target domain, working under the supervision of academic supervisors, to co-create an innovation project that address a specific need. Weekly project review will be held in class where students present and discuss progress with their academic advisors. Assessment: 100% continuous assessment in the form of weekly crucial project review, presentations, and project report. Written output should be no more than 10,000 words and 35,000 words per group for 6-credit and 12-credit Project Workshop Courses respectively.

3. Co-op Experience (18 credits)

The co-op learning experience in innovation is valued at 18 credits in which students will learn the innovation process through engaging full-time in a real-world, real-work context. Students will practice the knowledge and skills they have acquired by taking part in an innovation project as part of an innovation team in a private or government establishment, or a startup company, or a research lab. Students will be working full-time during that experience and will be assessed throughout the process by the industrial partner and the academic supervisor. Monthly progress review will be conducted between the student and the academic supervisor. Students also need to fulfil reflective and research assignments. Students will work full-time normally for at least seven consecutive months/30 weeks for one employer in this co-op experience. Co-op learning experience is graded with pass/fail/distinction. Approximately 1050 student learning hours and 20 contact hours are expected. Contact hours are minimal since the course is predominantly practical in nature. Assessment: 100% continuous assessment. The assessment is based on the industrial partner's and the academic supervisor's feedback and the reflective and research assignments totalling not more than 3,000 words.