THE UNIVERSITY OF HONG KONG
Bachelor of Arts and Bachelor of Engineering in Artificial Intelligence and Data Science

CREDIT UNIT STATEMENT

The curriculum offers four types of courses, namely introductory courses, advanced courses, projects and internship, aiming at equipping students with professional skills and knowledge in artificial intelligence and data science. The total student learning hours of the default Major in Artificial Intelligence and Humanity are not fewer than 1,560 hours and the total number of contact hours of this Major are not fewer than 312 hours. The total study load and contact hours of the professional core in Artificial Intelligence and Data Science (144 credits of courses) is under the range of 2,880 to 4,320 hours, and 884 to 1,183 hours respectively. Most courses carry 6 credits and are taught through mixed learning modes, including lectures, tutorials, laboratory sessions and case study. The double-degree programme also includes two 6-credit Projects as Capstone Experiences and a non-credit bearing Internship. A 6-credit course has around 120-180 hours of student learning activities (including both contact hours and all other form of student learning activities). The contact hours and expected learning outcomes for different groups of courses vary according to the learning modes adopted. Most of the courses are assessed by a combination of coursework (including performance in tutorials / presentations) and examination. The four categories of courses are summarized as follows:

1. Introductory courses (6 credits)

These courses aim at providing students with a solid foundation in artificial intelligence, data science, computing, mathematics, humanities, communication skills and/or complementary studies.

The total contact hours ranging from 24 to 52 hours consists of a combination of lectures (totaling 24 to 39 hours) and tutorials/workshops/laboratory sessions (totaling 6 to 26 hours). The assessment is generally based on problem-solving type assignments, programming exercises, group assignments. course projects, programming projects, mid-term/written quizzes, individual and group presentations, papers, performance in tutorial / class discussion and written examination. Written output shall not exceed 3,000-5,000 words. Introductory Courses are assessed by a combination of continuous assessment (25%-100%) and examination (0%-75%).

2. Advanced courses (6 credits)

These courses aim at providing students with in-depth knowledge in a broad range of topics in artificial intelligence, data science, and/or the humanities.

The total contact hours ranging from 24 to 52 hours consists of a combination of lectures (totaling 24 to 39 hours) and tutorials/workshops/laboratory sessions (totaling 6 to 26 hours). The assessment is generally based on problem-solving type assignments, programming exercises, group projects, course projects, programming projects, mid-term/written quizzes, individual and group presentations, papers, performance in tutorial / class discussion and written examination. Written output shall not exceed 3,000-6,000 words (laboratory reports not included). Advanced Courses are assessed by a combination of continuous assessment (25%-100%) and examination (0%-75%).

3. Project: capstone (6 credits)

Project courses are under the category of Capstone Experience and aim at training students to integrate and consolidate the knowledge learnt in previous courses. The total contact hours range from 13 to 20 hours. Students may work individually or in groups and are generally expected to spend 120 hours on their project in their fourth or final year of study. The assessment is 100% in-course and is based on project presentations and written reports totaling 1,500-3,000 words (for interim report) and 3,000-5,000 words (for final report).

4. Internship: capstone (non-credit bearing)

The internship aims at immersing students into a work environment where their technical knowledge can be reinforced in applied situations. It consists of a minimum of 4 weeks of placement in an industrial organization. Students are required to submit a training report after the internship. The assessment is based on the employer's feedback and the training report totaling not more than 1,000 words.

February 2025