The Hong Kong University of Science and Technology (Guangzhou)
UG Course Syllabus Template

Title: AIAA1010 - Academic Orientation for AI Students 人工智能学生学术方向指导

Credit(s): 1

Type: Required
Prerequisite(s): N/A
Exclusion(s): N/A

Graded P or F.

Names, emails, office hours of instructors: see the weekly schedule.

Lecture time: 9-9:50 AM Tuesday
Lecture location: Lecture Hall B

Course Description

This course provides guidance to undergraduate students of the AI major for their academic path and future. This course is mostly introductory and aims to inspire UG students for their academic path development and growth of maturity during their UG study. Activities may include seminars, workshops, advising and sharing sessions, interaction with faculty and teaching staff, and discussion with student peers or alumni.

Weekly Schedule

Week	Date	Instructor	Email	OH	Topic
Week 1	2025/9/2	Enyan DAI	enyandai	9/2 14:30-15:30pm E4-407	Towards Trustworthy AI
Week 2	2025/9/9	Bingzhuo ZHONG	bingzhuoz	9/10 14:30-15:30pm W4-305	Safe and Secure Embodied Intelligence
Week 3	2025/9/16	Xin WANG	felixxinwang	9/16 14:00-15:00pm W2-503	Quantum Computing and AI
Week 4	2025/9/23	Sihong XIE	sihongxie	9/23 16:30-17:30pm E4-306	Trustworthy AI
Week 5	2025/9/30	Menglin YANG	menglinyang	9/30 16:30-17:30pm W4-540	Personalization and LLMs
Week 6	2025/10/14	Yingcong CHEN	yingcongchen	10/14 10:00-12:00am W1-504	Visual Generation Models
Week 7	2025/10/21	Junwei LIANG	junweiliang	10/27	Embodied AI

				16:30-17:30pm E4-304	
Week 8	2025/10/28	Changhao CHEN	changhaochen	10/28 16:30-17:30pm E1-613	Introduction to AI and Robotics
Week 9	2025/11/04	Zeke XIE	zekexie	11/12 11:00-12:00am E1-416	Overview of Deep Learning Theory
Week 10	2025/11/11	Yutao YUE	yutaoyue	11/11 10:00-11:00am E4-316	Machine Consciousness
Week 11	2025/11/18	Li LIU	avrillliu	11/18 11:00-12:00am E4-405	Audio-Visual Content Generation and Recognition
Week 12	2025/11/25	Xuming HU	xuminghu	11/25 11:00-12:00am E3-303	Introduction to Natural Language Processing
Week 13	2025/12/2	Apostolos Rikos	apostolosr	12/1 16:00-17:00pm W4-311	AI over Multi-Agent Networks

Intended Learning Outcomes (ILOs)

Upon completion of this course, students are expected to be able to do the following:

	Course ILOs	**Nature of the learning outcomes** *(A - Knowledge/Content Related; B - Academic Skills/Competencies; C - Others)*
1	Demonstrate understanding of robotics, computer vision, NLP, optimization, machine learning, speech processing.	A
2	Academic writing skills for AI techniques	B

Contribution of Learning Outcomes to AI undergraduate programs:

	Program of study: BEng in Artificial Intelligence **Program ILOs**	**To be achieved through these course ILOs**
1	Analyze AI and computing problems in different areas of science, technology and the society, and apply AI principles to produce solutions.	CILO-1
2	Communicate effectively in a variety of professional contexts, including both lay and expert audiences.	CILO-2
3	Recognize professional responsibilities and make informed and independent judgments through solving practical AI models based on legal and ethical principles.	CILO-1

Assessment and Grading
Each week there will be a set of homework questions to be answered and submitted by the students on Canvas. Each homework consists of 7% of the total grades, and all homework consist of 91% of the total grades. The remaining 9% comes from classroom attendance and engagement in discussion. This course will be assessed using criterion-referencing and grades will not be assigned using a curve. Detailed rubrics for each assignment are provided below, outlining the criteria used for evaluation.

Assessments:

Assessment Task	Contribution to Overall Course grade (%)	Due date
Homework	91%	Release after each lecture due in one week
Classroom engagement	9%	N/A

* Assessment marks for individual assessed tasks will be released within two weeks of the due date.

Mapping of Course ILOs to Assessment Tasks

Assessed Task	Mapped ILOs	Explanation
Attending lectures	ILO 1, ILO 2	This task requires students to learn concepts and knowledge about various AI sub-fields (ILO 1). There is one session on academic writing for AI (ILO 2).
Homework assignment	ILO 1, ILO 2	The homework assess students' ability to analyze AI problems (ILO 1), synthesize solutions (ILO 1). Homework asks student to write short paragraphs (ILO 2).

Grading Rubrics
Grading rubrics will be released after each homework assignment is graded. Students who have questions about their grades shall contact course Graduate Teaching Assistants (GTA) within ONE WEEK after the grades are released. After that, no appealing will be accepted.

Final Grade Descriptors
With the implementation of Outcome Based Education(OBE), the course adopts criterion-referenced assessment (CRA) and assign grades that reflect students' achievement of course ILOs. Specifically,

Grades	Short Description	Elaboration on subject grading description
P	Satisfactory Performance or above	Demonstrates a good grasp of subject matter, expertise in problem-solving, and creativity in thinking. Exhibits capacity for scholarship and collaboration. Meet core requirements to achieve learning goals.
F	Fail	Demonstrates insufficient understanding of the subject matter and lacks the necessary problem-solving skills. Shows limited ability to think critically or analytically and exhibits minimal effort towards achieving learning goals. Does not meet the threshold requirements for professional practice or development in the discipline.

- https://www.hkust-gz.edu.cn/academics/academic-quality-manual/assessment/obe-ilos-and-criterion-referenced-assessment-cra/
- https://www.hkust-gz.edu.cn/academics/academic-quality-manual/assessment/grading-of-courses/

Course AI Policy
Students are encouraged to use AI tools to maximize the learning outcomes of this course.

Communication and Feedback
Assessment marks for individual assessed tasks will be communicated via Canvas within two weeks of submission. Students who have further questions about the feedback including marks should consult the instructor within five working days (one week) after the feedback is received.

Resubmission Policy
We do not allow resubmission of homework.

Late policy
Each student has a quota of 7 late days to use for all homework. A late of less than 24 hours is counted as one late day. After 7 late days are used up, there is no further extension given, and a late submission will be penalized for 50% for its earned scores.

Required Texts and Materials
There is no required texts or materials. However, the instructor of each lecture may provide further optional texts or materials for students to learn more about the corresponding topic.

Academic Integrity
Students are expected to adhere to the university's academic integrity policy. Students are expected to uphold HKUST(GZ)'s Academic Honor Code and to maintain the highest standards of academic integrity. The University has zero tolerance of academic misconduct. Please refer to Regulations for Academic Integrity and Student Conduct for the University's definition of plagiarism and ways to avoid cheating and plagiarism.