2309 CS480 Course Outline

Subject Code : **CS480**
Subject Title : **Current topics on Computer Science** 計算機科學專題
Level : 3
Credits : 3
Teaching Activity : Lecture 45 hours
Prerequisite : n/a

Class Schedule :

Class	Time		Classroom	Date
D1	FRI	19:00-21:40	D Hall	2023/09/01 - 2023/12/15

Instructor : Multiple instructors
Contact number : (853)8897 2195
Email Address : xdli@must.edu.mo
Office : A214
Office hours : Monday 09:30-12:00 Wednesday 14:30-17:30

Tuesday 09:30-12:00 Thursday 15:30-17:30

Course Description

This course is to broaden students' horizons by introducing some fundamental knowledge and current topics in computer science for non-IT students.

Textbook(s)

The content will be provided by instructors

INTENDED LEARNING OUTCOMES

Upon successful completion of this subject, students will be able to:

1. understand the history of computer science
2. understand the current developing trend in computer science
3. understand some inter-disciplinary applications of computer science

Schedule

Item	Topic	Hours	Teaching Method
1	An introduction of computer science	3	lecture
2	Software Engineering	3	lecture
3	Intelligent Software Engineering and Security	3	lecture
4	Affective Computing in Artificial Intelligence	3	lecture
5	Scientific Computing	3	lecture
6	A Brief Introduction to Computer Vision	3	lecture
7	Database System	3	lecture
8	An Introduction to Operating Systems	3	lecture
9	A Brief Introduction to Brain-Computer Interface	3	lecture
10	Artificial Intelligence Generated Content, AIGC	3	lecture
11	Digital Image Processing	3	lecture
12	An introduction to Artificial Intelligence	3	lecture
13	Communication technologies in wireless systems	3	lecture
14	Cyber-Security of Internet	3	lecture
15	Numerical modelling and computation for 3D volume reconstruction	3	lecture

ASSESSMENT APPROACH

Assessment method	Percentage %
Class participation	30
Final exam	70
TOTAL	100 %

Notes:
At the end of the semester, a final examination will be conducted in written form, which will cover the content given by all instructors.

Guideline for Letter Grade:

Marks	Grade	GPA
95-100	A+	4
88-94	A	4
81-87	A-	3.7
75-80	B+	3.3
68-74	B	3.0
64-67	B-	2.7
61-63	C+	2.3
58-60	C	2.0
55-57	C-	1.7
52-54	D+	1.3
50-51	D	1.0
Below 50	F	n/a