

Curriculum planning for the 110th grade master class of the Department of Information Engineering, Chungwa University

May 11, 2021 Passed by the Departmental meeting at its 2nd meeting
Approved at the 2nd College Curriculum Meeting of academic year 109, on June 09, 2021

Sorting	First grade		second grade	
Compulsory	Seminar	Seminar	Seminar Thesis Seminar	Seminar Thesis Seminar
Elective	Advanced Linear Algebra	Multimedia Systems	Network Security	Optimization Theory
	Digital Signal Processing	Video Processing	Digital Audio Signal Processing	Special Topics on Artificial Intelligence
	Advanced Probability and Statistics	Pattern Recognition	Evolutionary Computation	Concrete Mathematics
	Advanced Computer Algorithms	Color Engineering	Computer vision	Multimedia Information
	Wireless Networks	Embedded System	Wireless Sensor Networks	Retrieval
	Image Processing	Big Data Analysis and Applications	Data Mining	Unmanned Aerial Vehicle Project
	Electronic Commerce	Deep Learning	Deep Learning Project	
	Artificial Intelligence		Internet of Things - Theory and Implementation	
	Technical Reading and Writing in English			
	Advanced Machine Learning			
	Graph Theory			
	Compiler			
	Cloud Computing			

Graduation credits: 24 credits (including four-semester book discussion and two-semester thesis guidance and research) are eligible for graduation. For other regulations, please refer to the regulations for postgraduate studies. Note:

1. The bold bottom line represents the basic courses; the bold italics represent the core courses;
2. Practical courses, marked with *
3. Elective courses should be opened according to the actual situation of the semester.