

## HuaFan University of Environmental and Hazards-resistant Design four-years Course Catalog

Course Name (Chinese)	Course Name (English)	Credit	hours	Course type
工程繪圖	Engineering Drawing	2	2	Required
生態學	Ecology	3	3	Required
測量學與實習	Surveying and Practice	3	5	Required
水文學	Hydrology	3	3	Required
自然資源保育	Natural Resource Conservation	3	3	Required
基礎環境設計(1)	Basic Environmental Design (1)	2	4	Required
微積分 (1)	Calculus (1)	3	3	A Required
基礎環境設計(2)	Basic Environmental Design (2)	2	4	Required
專案設計(1)	Project Design (1)	3	5	Required
專案設計(2)	Project Design (2)	3	5	Required
工程力學	Engineering Mechanics	3	3	A Required
材料力學	Mechanics of Materials	3	3	A Required
流體力學	Fluid Mechanics	3	3	A Required
統計學	Statistics	3	3	A Required
基礎工程	Foundation Engineering	3	3	A Required
地理資訊系統	Geographic Information Systems	3	3	A Required
微積分 (2)	Calculus (2)	3	3	A Required
土壤力學與試驗(1)	Soil Mechanics and Experiment (1)	2	4	A Required
土壤力學與試驗(2)	Soil Mechanics and Experiment (2)	2	4	A Required
工程數學(1)	Engineering Mathematics (1)	3	3	A Required
設計繪圖表現法	Design Drawing	3	3	B Required
基地計畫	Site Planning	3	3	Required
景觀學	Landscape Theory	3	3	B Required
景觀植物學	Landscape Plants	2	2	B Required
環境規劃學	Environmental Planning	3	3	B Required
城鄉規劃學	Urban and Rural Planning	3	3	B Required
景觀工程	Landscape Engineering	3	3	B Required
景觀建築概論	Introduction to Landscape Architecture	2	2	B Required
環境設計(1)	Environmental Design (1)	3	4	B Required
環境設計(2)	Environmental Design (2)	3	4	B Required
進階環境設計(1)	Advanced Environmental Design (1)	3	4	B Required
進階環境設計(2)	Advanced Environmental Design (2)	3	4	B Required
設計結構學	Designing Structural Analysis	2	2	B Required
普通物理	Physics	2	2	Elective
色彩學	Color Theory	2	2	Elective
氣象學	Meteorology	3	3	Elective
電腦繪圖應用	Application to Computer Graphics	2	2	Elective
航空測量	Photogrammetry	2	2	Elective
環境影響評估	Environmental Impact Assessment	2	2	Elective
生態工程概論	Introduction to Ecological Engineering	2	2	Elective
植生工程	Vegetation Engineering	3	3	Elective
生態擋土工程	Ecological Engineering for Retaining S	3	3	Elective
集水區經營	Watershed Management	3	3	Elective
營建管理與施工法	Construction Management and Metho	2	2	Elective
應用水文學	Applied Hydrology	3	3	Elective
水土保持規劃設計	Planning & Design on Soil & Water C	3	3	Elective
景觀材料與施工	Landscape Materials and Construction	2	2	Elective
生態道路	Road Ecology	3	3	Elective

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電腦繪圖	Computer Graphics	2	2	Elective
國際遊學-北京建築景觀	International Tour Study:Beijing Arch	2	2	Elective
校外實習(2)	Off-Campus Practice (2)	2	0	Elective
校外實習(4)	Off-Campus Practice (4)	4	0	Elective
校外實習(1)	Off-Campus Practice (1)	1	0	Elective
校外實習(3)	Off-Campus Practice (3)	3	0	Elective
創業專題	Entrepreneurial Project	2	0	Elective
進階創業專題	Advanced Entrepreneurial Project	2	0	Elective
國際遊學-日本早稻田大學	International Tour Study:Japan Waseda	2	2	Elective
環境模擬	Environment Simulation	3	3	Elective
國際遊學-澳洲葛里菲斯大學	International Tour Study: Australia Gr	2	2	Elective
專題研究(1)	Special Project (1)	1	2	Elective
專題研究(2)	Special Project(2)	1	2	Elective
水土保持工程	Soil & Water Conservation Engineerin	3	3	Elective
工程材料	Enginnering Materials	3	3	Elective
工程地質	Engineering Geology	2	2	Elective
工程數學(2)	Engineering Mathematics (2)	2	2	Elective
土壤物理學	Soil Physics	2	2	Elective
結構學	Structural Analysis	2	2	Elective
渠道水力學	Open Channel Hydraulics	2	2	Elective
鋼筋混凝土	Reinforced Concrete	2	2	Elective
高等工程數學(上)	Advanced Engineering Mathematics(I)	3	3	Elective
環境地質與工址調查	Environmental Geology and Site Inves	2	2	Elective
高等工程數學(下)	Advanced Engineering Mathematics(II)	3	3	Elective
大地工程實務	Practical Geotechnical Engineering	3	3	Elective
崩塌地治理工程	Landslide Control Engineering	2	2	Elective
水資源工程	Water Resources Engineering	2	2	Elective
道路規劃與設計	Road Planning & Design	3	3	Elective
岩石力學與隧道工程	Rock Mechanics & Tunnel Engineerin	3	3	Elective
沖蝕原理	Principle of Erosion	2	2	Elective
基礎繪畫	Basic Sketch	2	2	Elective
自然地理	Physical Geography	2	2	Elective
環境風土學	Vernacular Landscape	2	2	Elective
社區營造規劃	Community Empowerment Planning	3	3	Elective
自然景觀學	Natural Landscape	2	2	Elective
綠地環境計畫與設計	Green Space Environmental Planning &	3	3	Elective
進階電腦繪圖應用	Advanced Application to Computer Gr	2	2	Elective
風水學	FengShui	2	2	Elective
景觀植栽設計	Landscape Planting Design	2	2	Elective
原生植物概論	Introduction to Native Vegetation	2	2	Elective
指標生物與調查方法	Indicator Species and Ecological Cens	3	3	Elective
生態規劃與設計	Ecological Planning and Deisgn	3	3	Elective
河溪生態工程	Ecological River Engineering	3	3	Elective
環境政策與法規	Environmental Policy and Regulation	2	2	Elective
環境調查分析(植群調查)	Environmental Survey and Analysis: V	2	2	Elective
永續環境規劃與設計	Sustainable Environmental Design	2	2	Elective
自然資源經營與管理	Natural Resources Management	2	2	Elective
景觀生態學	Landscape Ecology	2	2	Elective

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基礎物理	Basic Physics	2	2	Elective

School Required Credits : 30

Department Required Credits : 60

Total Credits : 128