

國立台灣師範大學資訊教育研究所碩士班課程

八十八學年度入學

<p><u>碩士班必修課程</u></p> <p>1. 專題討論(一)、(二)、(三)、(四) (Seminar (1)、(2)、(3)、(4))</p> <p>2. 引導研究(Directed Study)</p> <p>3. 電腦輔助教學理論與方法(Theories and Methods of Computer-Assisted Instruction) 資訊教育理論與實務(Theories and Practices of Computer Science Education) (任選一科)</p> <p>4. 高等計算機結構(Advanced Architecture) 高等作業系統(Advanced Operating Systems) 高等演算法(Advanced Algorithms) 軟體發展方法(Software Development Methods) *人工智慧(Artificial Intelligence) *計算機通訊(Computer Communication) (任選二科)</p>	<p>資料處理與分析(Data Processing and Analysis)</p> <p>電腦化測驗(Computer-Based Testing)</p> <p>智慧型教學系統(Intelligent Tutoring Systems)</p> <p>平行演算法(Parallel Algorithms)</p> <p>高等影像處理(Advanced Image Processing)</p> <p>高等計算機圖學(Advanced Computer Graphics)</p> <p>排隊理論(Queuing Theory)</p> <p>遠距學習(Distance Learning)</p> <p>實驗設計(Experimental Design)</p> <p>電腦教學設計(Instructional Design for Computer Education)</p> <p>教學網路設計(Instructional Network Design)</p> <p>多媒體系統設計(Multimedia System Design)</p> <p>高等數值分析(Advanced Numerical Analysis)</p> <p>分散式處理系統(Distributed Processing)</p>
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<p>碩士班選修課程</p> <p>*平行處理(Parallel Processing)</p> <p>*專家系統(Expert Systems)</p> <p>*視訊處理(Video Processing)</p> <p>*編譯系統(Compiler)</p> <p>*物件導向分析與設計 (Object-Oriented Analysis and Design)</p> <p>*影像處理(Image Processing)</p> <p>*資料庫理論(Database Theories)</p> <p>*人機介面(User Interface)</p> <p>高等統計學(Advanced Statistics)</p> <p>測量理論(Measurement Theory)</p> <p>電腦教學研究(Reserch on Computer Instruction)</p> <p>類神經網路(Artificial Neural Network)</p> <p>數位信號處理(Digital Signal Processing)</p> <p>教育研究法(Education Research Methodology)</p> <p>認知與教學(Cognition and Instruction)</p> <p>電腦課程規劃(Computer Curriculum Planning)</p>	<p>Systems)</p> <p>圖學理論(Graph Theory)</p> <p>圖形辨認(Pattern Recognition)</p> <p>容錯計算(Fault-Tolerant Computing)</p> <p>教學軟體設計與評鑑(Instructional Software Design and Evaluation)</p> <p>正規語言(Formal Languages)</p> <p>電腦視覺(Computer Vision)</p> <p>機器學習(Machine Learning)</p> <p>模糊理論(Fuzzy Theory)</p> <p>計算理論(Theory of Computation)</p> <p>無線通訊(Wireless Communications)</p> <p>高等資料庫系統(Advanced Database Systems)</p> <p>高速網路系統(High-speed Networking)</p> <p>無障礙電腦資訊系統(Human Factors in Accessible Computer and Information Systems)</p> <p>資訊教育推廣(Diffusion of Computer Education)</p> <p>“*”:大三四碩士班合開課程</p>
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