朝陽科技大學 096學年度第2學期教學大綱
Mobile Communication 行動通訊

當期課號	7452	Course Number	7452
授課教師	黃永發	Instructor	HUANG,YUNG FA
中文課名	行動通訊	Course Name	Mobile Communication
開課單位	資訊科技研究所博士班二A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	介紹行動技術包括：隨意式網路、藍芽技術、紅外線、感測無線網路等	Objectives	The course introduces about important transmission techniques of mobile communication: Mobile Ad-hoc Network, Blue Tooth, IR, Wireless Sensor Network, etc.
教材	1.Dharma Prakash Agrawal and Qing-An Zeng, “Introduction to Wireless and Mobile Systems,” Thomson, 2nd Ed., 2006. 2. Simon Haykin and Michael Moher, “Modern Wireless Communications,” Prentice-Hall Inc., Jan. 2004. 3. W. Stallings, “Wireless Communications & Networks,” Pearson Prentice-Hall Inc., 2nd Ed., 2004. 4. Theodore S. Rappaport, “Wireless Communications Principles & Practice,” Prentice-Hall Inc., 2001.	Teaching Materials	1. Dharma Prakash Agrawal and Qing-An Zeng, “Introduction to Wireless and Mobile Systems,” Thomson, 2nd Ed., 2006. 2. Simon Haykin and Michael Moher, “Modern Wireless Communications,” Prentice-Hall Inc., Jan. 2004. 3. W. Stallings, “Wireless Communications & Networks,” Pearson Prentice-Hall Inc., 2nd Ed., 2004. 4. Theodore S. Rappaport, “Wireless Communications Principles & Practice,” Prentice-Hall Inc., 2001.
成績評量方式	Midterm 30% Homeworks 30% Final Reports 40%	Grading	Midterm 30% Homeworks 30% Final Reports 40%
教師網頁	http://www.cyut.edu.tw/~yfahuang		
教學內容	This course provides a general overview of wireless and mobile communication systems. The outlines include the followings. 1. Introduction to cellular wireless systems. 2.Mobile radio propagation. 3. Cellular concept 4.Multiple radio access. 5. Multiple access techniques 6.Channel allocation 7. Existing wireless and mobile systems 8.Mobility management	Syllabus	This course provides a general overview of wireless and mobile communication systems. The outlines include the followings. 1. Introduction to cellular wireless systems. 2.Mobile radio propagation. 3. Cellular concept 4.Multiple radio access. 5. Multiple access techniques 6.Channel allocation 7. Existing wireless and mobile systems 8.Mobility management

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