朝陽科技大學 095學年度第2學期教學大綱
Mobile Communication 行動通訊

當期課號	7435	Course Number	7435
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.Single and Multi-Carrier DS-CDMA: Multiuser Detection, Space-Time Spreading, Synchronisation, Henzo, Yang, Kuan and Yen, John Wiley & Sons, 2003. 2.Theory of Code Division Multiple Access Communication, K. Sh. Zigangirov, John Wiley & Sons, 2004. 3.Introduction to Spread Spectrum Communications, R. L. Peterson, R. E. Ziemer and D. E. Borth, NJ: Prentice-Hall, 1995. 4.Principles of Spread Spectrum Communication, A. J. Viterbi, Addison-Wesley, 1995.	Teaching Materials	1.Single and Multi-Carrier DS-CDMA: Multiuser Detection, Space-Time Spreading, Synchronisation, Henzo, Yang, Kuan and Yen, John Wiley & Sons, 2003. 2.Theory of Code Division Multiple Access Communication, K. Sh. Zigangirov, John Wiley & Sons, 2004. 3.Introduction to Spread Spectrum Communications, R. L. Peterson, R. E. Ziemer and D. E. Borth, NJ: Prentice-Hall, 1995. 4.Principles of Spread Spectrum Communication, A. J. Viterbi, Addison-Wesley, 1995.
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 spread spectrum systems and their application to multiuser communications are also addressed. The outlines include the followings. 1. Introduction to spread spectrum communications. 2. Spreading sequences. 3. Code tracking and synchronization of receiver spreading 4.Code division multiple access systems. 5. Multi-carrier CDMA systems. 6.Hybrid multiple access schemes. 7. Applications.	Syllabus	This course provides a general overview of spread spectrum systems and their application to multiuser communications are also addressed. The outlines include the followings. 1. Introduction to spread spectrum communications. 2. Spreading sequences. 3. Code tracking and synchronization of receiver spreading. 4.Code division multiple access systems. 5. Multi-carrier CDMA systems. 6.Hybrid multiple access schemes. 7. Applications.

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