## 수업계획서

## 강의개요 및 교수목표

선수 및 후수과목: To learn this course student need to know basic understanding of Computer and Networking and distributed system.

강의개요: The course will provide students with a thorough knowledge ubiquitous computing (UbiComp) and allows students to work on a variety of smart applications. Students will learn basic of building UbiComp systems and advanced prototyping techniques. This course consists of a different computing topic such as HCI, Smart computing, etc These include human-computer interaction (HCI), machine learning, embedded systems, signal processing, tangible computing, electronics, and sensors.

교수목표: Ubiquitous computing is a computing model which allows human-computer interaction with networked computing devices that have been integrated into a plethora of objects in the world. This course will take an interdisciplinary look at the ubiquitous computing.

학습효과: At the end of this course, student will be able to understand and work on following topic: Basic of Ubiquitous Computing, Sensing and Basic Electronics, Internet of Things, Systems and Evaluation, Wearable Computing, Mobile Health etc.

출 판 사

저 자 명

_ ' '' ' '			,	
주교재:		Stefan Poslad	Wiley, ISBN: 978-0-470-03560-3,	2009
주차	강의내용 참고도서 page			
1주	1차시. What is Ubiquitous computing			
	2차시. Int			
	3차시. Hc			
2주	1차시. Living in a Digital World			
	2차시. Vision and Challenge Part 1			
	3차시. Vision and Challenge Part 2			
3주	1차시. Smart Devices and Services			
	2차시. Service Architecture Models			
	3차시. Service Provision Life-Cycle			
4주	1차시. Smart Mobile Devices			
	2차시. Smart Card and Mobile Code			
	3차시. Security in Mobile Devices			
5주	1차시. Introduction to HCI			
	2차시. HCI & eHCI & iHCI			
	3차시. HCl Design			
6주	1차시. Tagging			
	2차시. Se	nsing		
	3차시. Cc	ontrollina		

7주	1차시. Context		
	2차시. Context Aware Design		
	3차시. Context Awareness		
8주	1차시. Intelligent Systems (Basic)		
	2차시. Intelligent Systems Model part 1		
	3차시. Intelligent Systems Model Part 2		
9주	1차시. Introduction to Intelligent Interaction		
	2차시. Interaction Protocol		
	3차시. Multi Agent System		
10주	1차시. Network Communication		
	2차시. Ubiquitous Networks		
	3차시. Service-Oriented Networks		
11주	1차시. Autonomous Systems		
	2차시. Self-Awareness and Autonomic Computing		
	3차시. Complex Systems and Artificial Life		
12주	1차시. Management of UbiCom System		
	2차시. Security Management		
	3차시. Information and Privacy Management		
13주	1차시. Overview of Future Challenges		
	2차시. Smart Device Challenges		
	3차시. Human Intelligence and Social issues		