

Ubiquitous computing

1. Information

2018-2nd

Title	Ubiquitous computing	Course	General Graduate school	Department	Computer Engineering
Complete units	3	Course Code	9441043	Course hours	Thu (6-8)
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2. Abstract

This lecture we discuss the major issues and prospects of ubiquitous computing, including the basic concepts of ubiquitous computing related device technology, network technology, sensor network technology, and context recognition technology. It analyzes recent researches, books and research reports related to ubiquitous computing, Discuss and analyze ubiquitous computing and related materials (books, papers, research reports, etc.).

3. Class format

- Presentation / discussion

4. Evaluation

Attendance	Presentation	Middle term	Final term	Total
10%	20%	30%	40%	100%

5. Material

- ① Paper and magazine
 - IEEE, Elsevier, Springer, etc.
- ② Major Publisher Material
 - Internet & Communication (wired / wireless)

6. Book and References

- ① Text book ·
 - Internet of Things- Converging Technologies for Smart Environments and Integrated Ecosystems, Ovidiu Vermesan, Ricer Publisher
- ② References
 - IITA-ITFIND, <http://www.itfind.or.kr>
 - KETI, <http://www.eic.re.kr>
 - KISA, <http://kisa.or.kr>
 - IEEE Digital library, <http://ieeexplore.com>
 - Elsevier, <http://www.elsevier.com>
 - Springer, <http://springer.com>

7. Schedule

Detail lecture for week	
Weeks	Chapter
1st	Orientation CHAPTER 01 An Introduction to Ubiquitous Computing
2nd	CHAPTER 02 Ubiquitous computing Systems
3rd	CHAPTER 03 Privacy in Ubiquitous Computing 1 CHAPTER 03 Privacy in Ubiquitous Computing 2
4th	CHAPTER 04 Ubiquitous Computing Field Studies
5th	CHAPTER 05 Ethnography in Ubiquitous Computing CHAPTER 06 From GUI to UUI: Interfaces for Ubiquitous
6th	CHAPTER 08 Context-Aware Computing 1 CHAPTER 08 Context-Aware Computing 2
7th	CHAPTER 09 Processing Sequential Sensor Data 1 CHAPTER 09 Processing Sequential Sensor Data 2
8th	Middle Term
9th	Discussion for recent research issues – paper 1
10th	Discussion for recent research issues – paper 2
11th	Discussion for recent research issues – paper 3
12th	Discussion for recent research issues – paper 4
13th	Discussion for recent research issues – paper 5
14th	Discussion for recent research issues – paper 6
15th	Final Term