▌Lecture Plan   Print   Close

Syllabus(2018-2nd semester)

Course	Virtual Reality	Department	Computer Science & Engineering	Office Hours	
Course No. and Class	36510-01	Hours	3.0	Academic Credit	3.0
Professor	Uran Oh			Office	
Telephone				E-MAIL	
Value of competence	Pursuit of Knowledge(50), Creative Convergence(50)			Keyword	

1. Course Description

This course will focus on studying the fundamentals of virtual reality (VR) and augmented reality (AR).
It will provide opportunities to learn about existing VR and AR applications and how to create interactive VR and AR user interfaces.

2. Prerequisites

3. Course Format

Lecture	Discussion/Presentation	Experiment/Practicum	Field Study	Other
70 %	20 %	10 %	0 %	0 %

- explanation of course format :

4. Course Objectives

After taking this course, students should be able to:
- understand core concepts in VR and AR
- list design considerations for implementing interactive VR and AR user interfaces
- create VR and AR environments

5. Evaluation System

Midterm Exam	Final Exam	Quizzes	Presentation	Projects	Assignment	Participation	Other
30 %	0 %	0 %	10 %	30 %	30 %	0 %	0 %

* Evaluation of group projects may include peer evaluations.

- explain of evaluation system

6. Required Materials

7. Supplementary Materials

8. Optional Additional Readings

9. Course Contents

Week	Date	Topics, Materials, Assignements
Week 1	2018/09/04(TUE)	Class Overview
	2018/09/06(THU)	Introduction to Virtual Reality

Week	Date	Topics, Materials, Assignements
Week 2	2018/09/11(TUE)	Virtual Reality System: Core Components
	2018/09/13(THU)	Virtual Reality System: Core Components
Week 3	2018/09/18(TUE)	Virtual World Representation
	2018/09/20(THU)	Virtual World Representation
Week 4	2018/09/25(TUE)	추석 연휴
	2018/09/27(THU)	Sensing and Virtual Perception
Week 5	2018/10/02(TUE)	Rendering
	2018/10/04(THU)	Interaction
Week 6	2018/10/09(TUE)	한글날
	2018/10/11(THU)	Unity Basics 1
Week 7	2018/10/16(TUE)	Unity Basics 2
	2018/10/18(THU)	Presense, Telepresence and Avatar
Week 8	2018/10/23(TUE)	Midterm Exam
	2018/10/25(THU)	Experiencing Virtual Reality
Week 9	2018/10/30(TUE)	Virtual Reality - Applications
	2018/11/01(THU)	Project Proposal Presentation
Week 10	2018/11/06(TUE)	Virtual Reality Systems - Input 1
	2018/11/08(THU)	Virtual Reality Systems - Input 2
Week 11	2018/11/13(TUE)	Virtual Reality Systems - Output 1
	2018/11/15(THU)	Virtual Reality Systems - Output 2
Week 12	2018/11/20(TUE)	Introduction to Augmented Reality
	2018/11/22(THU)	Augmented Reality - Core Components
Week 13	2018/11/27(TUE)	Augmented Reality - Calibration
	2018/11/29(THU)	Augmented Reality - Calibration
Week 14	2018/12/04(TUE)	Augmented Reality - Tracking
	2018/12/06(THU)	Augmented Reality - Tracking
Week 15	2018/12/11(TUE)	Augmented Reality - Applications
	2018/12/13(THU)	Introduction to Mixed Reality and Applications
Week 16	2018/12/18(TUE)	Final Project Presentation
	2018/12/20(THU)	Final Project Presentation

10. Course Policies

* For laboratory courses, all students are required to complete lab safety training.

11. Special Accommodations

* According to the University regulation #57, students with disabilities can request special accommodation related to attendance, lectures, assignments , and/or tests by contacting the course professor at the beginning of semester. Based on the nature of the students' requests, students can receive support for such accommodations from the course professor and/or from the Support Center for Students with Disabilities (SCSD).

* The contents of this syllabus are not final—they may be updated.