2016-2

Intro to Communication Technology (커뮤니케이션 기술입문)

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Overview Introduction to Communication Technology' course introduces general theories and practices about computer, computer-mediated communication, algorithm, data structure, and web programming languages. In this course, students will learn basic web programming skills using script languages such as Ruby or Python (which are used most extensively at current workplaces).

Also, students are required to perform various projects by applying basic programming skills to gather and analyze social media data, and conduct a data-driven communication research project for the final project.

본 수업은 커뮤니케이션 전공자에게 컴퓨팅 환경과 IT 기술, 기초적인 프로그래밍 언어를 소개하는 기술입문 수업이다. 비 전산 전공자에게 자료구조, 운영체제, 인터넷 등 전반적인 컴퓨터 이론과 환경을 소개하고, 프로그램이 만들어지고 구동되는 원리와 과정을 익혀 기술에 대한 이해를 증진시키는데 목적이 있다. 본 수업에서는 상대적으로 쉽고 빠른 개발이 가능한 스크립트 기반의 프로그래밍 언어인 루비(Ruby)나 파이쏜(Python)을 배우고 실습한다. 학생들은 수업에서 배운 프로그래밍 기술을 활용해 소셜 데이터를 분석하는 팀 프로젝트 기반의 커뮤니케이션 연구를 수행한다.

Objective 1. Understand computer, computing environment & algorithms (for non-CS major students)

2. Master basic programming skills such as Ruby or Python

3. Learn data mining techniques and methods to analyse and interpret data

4. Conduct various data-driven communication research project

Books & References Codecademy "Ruby" (https://www.codecademy.com/learn/ruby)

Why's poignant guide to Ruby:

- http://mislav.uniqpath.com/poignant-guide/
- http://www.rubyinside.com/media/poignant-guide.pdf

(기타 필요한 교재/논문 등은 강의 중 제공)

		#1반 (화 1,2,3) & #2반 (화 7,8,9)	#3반 (수 7,8,9)
Course Info	W01(09/06-07)	Introduction to Computer Programming	
	W02(09/13-14)	Variables and Methods	(No Class)
	W03(09/20-21)	Flow Control and Array	Variables and Methods
	W04(09/27-28)	Iterators, More Methods & Classes	Flow Control and Array
	W05(10/04-05)	Data Input/Output	Iterators, More Methods & Classes
	W06(10/11-12)	(No Class)	Data Input/Output
	W07(10/18-19)	Data Mining and Processing	
	W08(10/25-26)	**Midterm**	
	W09(11/01-02)	Natural Language Generation	
	W10(11/08-09)	Narrative Construction	
	W11(11/15-16)	*Paper Review*	
	W12(11/22-23)	**Final Project Ideation**	
	W13(11/29-30)	Code Review	
	W14(12/06-07)	Code Review	
	W15(12/13-14)	**Final Presentation**	
	W16(12/20-21)	**Final Project Writeup**	

Evaluation   Quiz: 20%

Midterm Exam: 25%

Final Project: 30%

Project Writeup: 10%

Attendance & Participation: 10%

Codecademy 'Python' Certificate: 5%