

2021학년도 2학기 수업계획서

강의교과목	학부(신촌) CSI2111-01		
최초등록일	2021-08-01 01:16:58	최종수정일	2021-08-01 01:22:45
교과목명	논리회로설계	학점	3
강의실	실시간온라인	강의시간	화5,목6,7

교수명	이진호	소속	대학원 인공지능학과
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수강대상	2nd year CS students
수업목표 및 개요	<p>Have you wondered how computer works internally? While that is a very difficult one, this course will help you make a very first step towards answering it. We will start from transistors -- which is an electrical switch -- to gradually build up logic gates, computing blocks, memories, and sequential logic until we are ready to study the very primitive form of a CPU at the heart of computers.</p> <p>You will have several homeworks and projects as well which is supposed to strengthen your understanding if you conduct them well.</p>
선수과목(선수학습)	<p>Some programming skill is required. I suggest at least two classes on programming prior to this one (e.g., basing programming and object oriented programming).</p>
강좌운영방식	<p>This course will be taught online. I will provide class recordings when possible, but it is still required to attend the classes on time.</p> <p>also, we will use english for the entire course. I will never use any language other than English during classes. Students can use Korean to ask questions, in which cases I will translate the question into English first and answer in English.</p> <p>Assignments and exams can be submitted in either of Korean/English.</p>
성적평가방법	<p>tentative. this can change.</p> <p>assignments and term project - 50%</p> <p>exams - 45%</p> <p>attendance - 5%</p>
교재 및 참고문헌	Contemporary Logic Design (2nd Edition) (Randy Katz)
교수정보	.
조교정보	tbd
(영문) 수업계획서 Syllabus in English	.
파일첨부	

주차	기간	수업내용	교재범위 및 과제 등	비고
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1	2021-08-30 - 2021-09-05	1. Introduction		(8.30.) 개강 (9.3. - 9.7.) 수강신청 확인 및 변경
2	2021-09-06 - 2021-09-12	2. Combinational Logic		(9.3. - 9.7.) 수강신청 확인 및 변경
3	2021-09-13 - 2021-09-19	3. Optimizing Combinational Logic		
4	2021-09-20 - 2021-09-26	3. Optimizing Combinational Logic (part 2)		(9.20. - 9.22.) 추석
5	2021-09-27 - 2021-10-03	4. Combinational Logic Technologies		
6	2021-10-04 - 2021-10-10	4. Combinational Logic Technologies (part 2)		(10.4.) 개천 질 대체휴일 (10.6.) 학기 1/3선
7	2021-10-11 - 2021-10-17	5. Case Studies in Combinational Logic design		(10.11.) 한글 날 대체휴일
8	2021-10-18 - 2021-10-24	Midterm Exam		(10.18. - 10.22.) 중간 시험
9	2021-10-25 - 2021-10-31	6. Sequential Logic Design		(10.25. - 10.27.) 수강 철회 (10.29. - 11.2.) S/U평 가신청
10	2021-11-01 - 2021-11-07	7. Finite State Machines		(10.29. - 11.2.) S/U평 가신청
11	2021-11-08 - 2021-11-14	8. Working with Finite State Machines		(11.12.) 학기 2/3 선
12	2021-11-15 - 2021-11-21	8. Working with Finite State Machines (part 2)		
13	2021-11-22 - 2021-11-28	9. Sequential Logic Technologies		
14	2021-11-29 - 2021-12-05	10. Case Studies in Sequential Logic Design		
15	2021-12-06 - 2021-12-12	Self-study		(12.6. - 12.10.) 자율 학습
16	2021-12-13 - 2021-12-17	Final Exam		(12.13. - 12.17.) 기말 시험