

강의계획서(2020년 1학기)

교과목명	사회학의초대	분반	1	담당 교수명	손현주
과목코드	0000118271				
학과·학년	국제인문사회학부(지미카터국제협력) 1	학점	3.0	연구실번호	
요일, 시간	수 7-A, 수 7-B, 금 6-A, 금 6-B, 금 7-A, 금 7-B	교과목구분	교양	강의실	전주:글로벌인재관 219

수업목표	The subtitle of this lecture is the rise of robots and society. Robotics and automation play an increasing role in our lives, from manufacturing to robotic surgery. What social and ethical questions do robots raise? The course will guide the student through the technologies that are used to build robots and the capabilities of robots in current applications. We will answer questions such as “How does the robot change the world?” We will explore the economics of robots and the implications of their use as a tool to boost productivity. The future of robots as either an adversary to or equal partner with humanity has been portrayed in movies and books; we will analyze emerging trends to develop our own predictions for the future.
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직전 강의평가 반영사항	Expectations of classes to increase students' participation and active presentation.
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6대 핵심역량과의 관계							
구분	소통역량	창의역량	인성역량	실무역량	모험역량	문화역량	합계
강의반영 비율(%)	20	20	20	10	20	10	100

주별 내용						수업방식별시간	
						온라인	오프라인
제 1주	Introduction to the Course — No readings for today. We'll familiarize ourselves with the key themes and concerns of the class, discuss course mechanics, and start thinking about robots.						
제 2주	The Automation Wave — The origin of robots and its modern concepts — A brief history of robotics and AI — Environmental scanning and Emerging Issue Analysis — Readings: Chapter 1, “The Automation Wave”						
제 3주	The Applications of Robots and AI — The near future of automation technologies — Current and future applications of robots — Readings: Chapter 2, “Is This time different?” ; Chapter 3, “Information Technology”						
제 4주	Robots and Work — Is robots a big threat to the labor market? — How robots are beginning to affect workers and their wages? — Readings: Chapter 4, “White-Collar Jobs at Risk”						
제 5주	Transforming Higher Education — Higher education in the Age of Robots — What robots and AI may mean for university lecturers and students — The Challenges and Benefits of Using Robots in Higher Education — Readings: Chapter 5, “Transforming Higher Education”						
제 6주	Scenario Workshop Activities — Topics: Korea 2050: The future of Robots — What will the future of robots be like by 2050? — Building alternative scenarios for describing what the future of robots might do to humanity						

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제 7주	Presentation of Group - Possible future group discussion and presentation - Group Competition		
제 8주	Midterm Examination		
제9주	Robots and Healthcare - AI in Medicine - Hospital and Pharmacy robotics - How are robots transforming the healthcare industry - Readings: Chapter 6 The Health Care Challenge		
제 10주	Inequality in the age of robots - Inequality and consumer spending, - How can robots affect wage inequality? - Technology and a graying workforce - Readings: Chapter 8, "Consumers, Limits to Growth...and Crisis?"		
제 11주	Super-intelligence and the Singularity - Concepts of super-intelligence and the singularity - Quantum leap: Towards an era of singularity, where machines will out-think humans - The Singularity and Society - Reading: Chapter 9, "Super-Intelligence and the Singularity"		
제 12주	Robots and a New Economic Paradigm - Anti-automation view - The Case for a Basic Income Guarantee - Challenges, Downsides, and Uncertainties - Readings: Chapter 10 Toward a New Economic Paradigm		
제 13주	Student Presentation(1) - Emerging issues on Robots - EX. Transfortation, Robots and Security, Robots in the Home, Robots and military		
제 14주	Student Presentation(2)		
제 15주	Final Examination		
제 16주			

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권장 선수과목	No required classes												
주교재	Rise of The Robots: Technology and The Threat of a Jobless Future												
저자	Martin Ford				출판사	Basic Books			출판년도	2015			
참고자료	Toby Walsh, 2018, Machines That Think: The Future of Artificial Intelligence, Prometheus Books. Amir Husain, 2017, The Sentient Machine: The Coming Age of Artificial Intelligence.												
교재언어	영어				강의언어	영어							
필요기자재	Computer, Beam projector, large poster paper, marker pen, paper tape												
상대/절대평가 구분	상대평가 I (A40%)			상대평가 II 비율 (A:A+B:C이하)			0	:	0	:	0	총 비율 (%)	0
절대평가 기준													
평가계획	평가 요소별 배점												
	중간	30%	기말	30%	출석	20%	과제물	20%	안전교육	0%			
	기타()												
참고 사항	* 장애학생 교수학습지원 사항												
	- 강의 <input checked="" type="checkbox"/> 강의 파일, 자료 등 제공 <input type="checkbox"/> 좌석배치(지정좌석) 조정 <input type="checkbox"/> 기타:												
	- 과제 <input type="checkbox"/> 과제 제출기한 연장 <input checked="" type="checkbox"/> 대안적 과제 제시												
	- 평가 <input type="checkbox"/> 시험시간 연장 <input checked="" type="checkbox"/> 평가방법 조정(대독, 구두응답, 도우미 대필 답안작성 등) <input type="checkbox"/> 별도의 시험 장소 제공 <input type="checkbox"/> 기타:												
	<input type="checkbox"/> 그 외(필요시 자유로이 추가 기술)												
※ 위 지원사항 등을 포함한 강의, 과제, 시험 등 학습과정에서 장애로 인하여 추가 지원이 필요한 경우 개강전 담당강사 및 장애학생지원센터를 통해 문의 바랍니다.													