

2025-Spring Adv. Nuclear Converg. for Future Soc. (NUCE719C-01) The course syllabus

1. Course Information

Course No.	NUCE719C	Section	01	Credit	3.00
Category	Major elective	Course Type		prerequisites	
Postechian Core Competence	<input type="checkbox"/> Interpersonal Relationship <input type="checkbox"/> Global Citizenship <input type="checkbox"/> Knowledge Research <input type="checkbox"/> Digital Literacy <input type="checkbox"/> Self Management <input type="checkbox"/> Creative Convergence				
Hours	MON, WED / 09:30 ~ 10:45 /			Grading Scale	G

2. Instructor Information

	Name	Yeom Hwasung	Department	Div. of Advanced Nuclear Eng.
	Email address	hyeom@postech.ac.kr	Homepage	http://nmaterials.postech.ac.kr/
	Office	표면공학 & 원자력소재 연구실	Office Phone	054-279-9580
	Office Hours	anytime		

3. Course Objectives

The course provides the introduction of 5 focused-areas ('Nuclear safety', 'Nuclear Environment', 'Plasma & Accelerator', 'Robotics & AI', 'Humanities & Social science') in the Division of Advanced Nuclear Engineering for advanced nuclear convergence for future society. Students are expected to learn actual practices based on well-defined case problems in each area.

4. Prerequisites & require

No

5. Grading

Attendance & attitude (30%) and early and final project presentation (70%)

6. Course Materials

Title	Author	Publisher	Publication Year/Edition	ISBN
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7. Course References

8. Course Plan

Basically, students will meet all faculties in DANE.

Nuclear systems & safety, nuclear materials & advanced manufacturing, Plasma & Accelerator, Robotics for nuclear applications, and Human & Social science will be discussed.

- 조항진 교수님 (4회): 3월 4일, 3월 6일, 3월 11일, 3월 13일
- 윤건수 교수님 (4회): 3월 18일, 3월 20일, 3월 25일, 3월 27일
- 배영 교수님 (2회): 4월 1일, 4월 3일
- 서지현 교수님 (2회): 4월 8일, 4월 15일
- 엄우용 교수님 (4회): 4월 17일, 4월 22일, 4월 24일, 4월 29일
- 유선철 교수님 (2회): 5월 1일, 5월 8일
- 염화성 교수 (9회): 2월 19일, 21일, 26일, 28일; 5월 13일, 20일, 22일, 27일, 29일

9. Course Operation

The classroom is #310 in the #1 Research building which is located behind the building used by the chemistry department.

10. How to Teach & Remark

11. Supports for Students with a Disability

- Taking Course: interpreting services (for hearing impairment), Mobility and preferential seating assistances (for developmental disability), Note taking (for all kinds of disabilities) and etc.
- Taking Exam: Extended exam period (for all kinds of disabilities, if needed), Magnified exam papers (for sight disability), and etc.
- Please contact Center for Students with Disabilities (279-2434) for additional assistance