

## 교과목일람표

순번	학수번호	교과목명(국문)	교과목명(영문)	대상과정	학점
1	200079	석사논문연구1	Master's thesis research 1	석사	3
2	200204	석사논문연구2	Master's thesis research 2	석사	3
3	300005	박사논문연구1	Doctoral dissertation research 1	박사	3
4	300058	박사논문연구2	Doctoral dissertationresearch 2	박사	3
5	415964	박사논문연구3	Doctoral dissertationresearch 3	박사	3
6	415965	박사논문연구4	Doctoral dissertationresearch 4	박사	3
7	416173	방사선계측및응용특론	Advanced Radiation Measurements and Application	공통	3
8	416174	응용핵물리	Applied Nuclear Physics	공통	3
9	416176	원자로이론특론	Special Topics in Nuclear Reactor Analysis	공통	3
10	416177	중성자수송이론	Neutron Transport Theory	공통	3
11	416178	몬테칼로이론및응용	Monte Carlo Theory and Application	공통	3
12	416179	원자로노심설계특론	Special Topics in Nuclear Reactor Core Design	공통	3
13	416180	발전소해체및사후관리	Nuclear Plant Decommission and Post-Control	공통	3
14	416181	계통열수력해석	Thermal-HydraulicAnalysis of Nuclear System	공통	3
15	416184	원자로운전특론	Special Topics in Nuclear Reactor Operation	공통	3
16	416187	핵안보및핵비확산	Nuclear Safeguards andNonproliferation	공통	3
17	416188	방사선영상처리	Radiation ImagingMethods	공통	3
18	416189	환경영향평가	EnvironmentalConsequenceAnalysis	공통	3
19	416190	원자력계통설계특론	Special Topics in Nuclear System Design	공통	3
20	416191	세미나1	Seminar1	공통	3
21	416192	세미나2	Seminar2	공통	3
22	416279	원자로해석	Nuclear Reactor Analysis	공통	3
23	416280	중성자수송평가응용	Neutron Transport Application	박사	3
24	416281	방사선차폐특론	Special Topics in Radiation Shielding	박사	3
25	416282	원자로다차원해석	Reactor Multi-dimensional Analysis	공통	3
26	416283	원자로열수력특론	Special Course on Reactor Thermal-Hydraulics	공통	3
27	416284	원자로열전달특론	Special Course on Reactor Heat Transfer	공통	3
28	416285	결정론적안전성평가	Deterministic Safety Evaluation	공통	3
29	416286	계통해석코드이해	Advanced Course on Sysyem Analysis Cod	공통	3
30	416287	안전여유도및불확실도분석	Safety Margin and Uncertainty Analysis	공통	3
31	416288	시스템제어및신호처리	Systems, Control andSignal Processing	공통	3
32	416289	데이터기반모델링및분석	Data-driven Modeling, Prediction and Analysis	공통	3

33	416290	에너지공학을위한빅데이터분석	Big Data Analytics in Energy Industry	공통	3
34	416291	플랜트시스템센서특론	Special Topics in Power Plant Sensor Engineering	공통	3
35	416292	고급안전계통고장수목분석	Advanced Fault Tree Analysis for Safety Critical Systems	공통	3
36	416293	고급확률론적안전성평가	Advanced Probabilistic Safety Assessment	공통	3
37	416294	원전통합안전/방호설계	Integrated Safety/Security Design for Nuclear Power Plant	공통	3
38	416295	원전리스크불확실성분석	Risk Uncertainty Analysis for Nuclear Power Plant	공통	3
39	416296	원전화재리스크분석	Fire Risk Analysis for Nuclear Power Plant	공통	3
40	416297	방사선물리학	Radiation Physics	공통	3
41	416298	방사선계측기개발특론	Radiation Detector Development	공통	3
42	416420	피로공학특론	Advanced Fatigue Engineering	공통	3
43	416421	파괴역학특론	Advanced Fracture Mechanics	공통	3
44	416422	손상역학특론	Advanced Damage Mechanics	석사	3
45	416464	원자력재료거동특론	Advanced Material Behaviors	공통	3
46	416527	원자력에너지의지속성	Sustainability of Nuclear Energy	공통	3
47	416656	의료분야의 방사선 방호 및 선량 측정	Radiation Protection and Dosimetry in Medical Applications	공통	3
48	416735	한 방사선 수송 시뮬레이션	Radiation transport simulation using Monte Carlo methods	공통	3
49	416745	고체상태 전리 방사선 검출기 특론	Soild-State IonizingRadiation Detectors	공통	3