

**IPSE: Lecture Courses Timetable for Graduate School of Advanced Science & Engineering Spring 2020**

Updated as of Dec. 24, 2019

Spring 2020	1st Period (9:00-10:30)	2nd Period (10:40-12:10)	3rd Period (13:00-14:30)	4th Period (14:45-16:15)	5th Period (16:30-18:00)	6th Period (18:15-19:45)	7th Period (19:55-21:25)
	Course name	Course name	Course name	Course name	Course name	Course name	Course name
Mon.		Advanced Chemical Engineering A ♦ Advanced Biomaterials Science and Engineering ♦ @TWIns Soft Condensed Matter Physics (Theory & Simulation) ♦	Advanced Biochemistry ♦ Advanced Quantum Optics ♦ Nuclear Physics A ♦	Advanced Chemical Engineering B ♦ Advanced Neuroscience ♦ @TWIns Lecture on Plant Physiology and Biochemistry ♦ @TWIns	Advanced Solid State Bioscience ♦ @TWIns Advanced Theoretical Quantum Physics A ♦		
Tue.	Advanced Physical Chemistry B ♦	Nanodevice Engineering ♦ Advanced Structural Chemistry ♦	Advanced Quantum Mechanics A ♦ Optical Processes in Solids ♦ Mathematical Physics A ♦	Science Communication I - Introduction to Communication Theory ♦ @TWIns Formation and Evolution of Astronomical Objects B ♦ Quantum Physics of Matter B ♦	Advanced Organic Chemistry A ♦ Brain Science Lecture B ♦ Science Communication III - Introduction to Team Work and Presentation Skills ♦ @TWIns Quantum Materials Science ♦	Brain Science Lecture B ♦ Integrative Bioscience and Biomedical Engineering A ♦ @TWIns	
Wed.	Advanced Chemical Biology ♦ Measurement and Information Technology ♦	Advanced Coordination Chemistry ♦ Special Lectures on Molecular Genetics ♦ @TWIns	Physics of Semiconductor devices 2 ♦	Nanobiomaterials Sciences ♦ 【Spring Quarter】 General Relativity and Gravitation ♦	Thin Film Engineering ♦ 【Spring Quarter】 General Relativity and Gravitation ♦	Practical Medical Engineering ♦ @TWIns	
Thu.	Advanced Organic Chemistry B ♦	Advanced Physical Chemistry A ♦ Advanced Photo Physical Chemistry ♦					
Fri.	Power Systems Engineering ♦	Advanced Inorganic Chemistry ♦			【Summer Quarter】 Bioanalysis ♦ Control Systems ♦	【Summer Quarter】 Bioanalysis ♦ Advanced Reaction Organic Chemistry ♦	

**IPSE: Lecture Courses Timetable for Graduate School of Advanced Science & Engineering Fall 2020**

Fall 2020	1st Period (9:00-10:30)	2nd Period (10:40-12:10)	3rd Period (13:00-14:30)	4th Period (14:45-16:15)	5th Period (16:30-18:00)	6th Period (18:15-19:45)	7th Period (19:55-21:25)
	Course name	Course name	Course name	Course name	Course name	Course name	Course name
Mon.	Molecular Nanoengineering ♦ Electronic Properties of Dielectrics ♦ Smart Grid and Frontiers in Electric Energy Systems ♦	Advanced Bioengineering ♦ @TWIns Elementary Processes in Astrophysical Phenomena A ♦	【Fall Quarter】 Special Lecture on Nano-Structured High Temperature Materials ♦ 【Fall Quarter】 Advanced Biomolecular Science and Engineering (Life Science and Medical Bioscience) ♦ @TWIns Low-Dimensional Physics ♦ Nuclear Physics B ♦	【Fall Quarter】 Special Lecture on Nano-Structured High Temperature Materials ♦ 【Fall Quarter】 Advanced Biomolecular Science and Engineering (Life Science and Medical Bioscience) ♦ @TWIns	Internal Organ Engineering ♦ @TWIns Semiconductor Quantum Physics ♦		
Tue.		Nanobiotechnology Fusion Systems ♦ Computational Experiments ♦	Science Communication IV - Introduction to Team Work and Presentation Skills ♦ @TWIns Advanced Quantum Mechanics B ♦	Science Communication II - Communication Theory of Team Work ♦ @TWIns	Brain Science Lecture A ♦ Integrative Bioscience and Biomedical Engineering B ♦ @TWIns	Brain Science Lecture A ♦	
Wed.			Advanced Electric Power Devices and Machines ♦				
Thu.	Advanced Topics on Biomolecular Assembly ♦ @TWIns	【Fall Quarter】 Nanochemical Systems ♦ Advanced Functional Organic Chemistry ♦ Developmental Biology ♦ @TWIns Physics of Non-Equilibrium Systems A ♦			Advanced Biomolecular Chemistry ♦ Cell Biology ♦ @TWIns Physics of Semiconductor devices 1 ♦	Advanced Biological Physics	
Fri.	Cytoskeletal Regulation ♦ @TWIns	Advanced Vacuum Engineering ♦ Advanced radiation measurements ♦	Advanced Electronic State Theory ♦ Particle Accelerator Applications ♦ Integrated and Guided Optics ♦	Power System and Nuclear Power Generation Theory ♦	【Fall Quarter】 Ceramics Microstructure Control Engineering ♦ 【Winter Quarter】 Advanced Energy Materials B ♦ 【Fall Quarter】 Advanced Energy Materials A ♦	【Fall Quarter】 Ceramics Microstructure Control Engineering ♦ Molecular Cell Biology ♦ @TWIns	

【Intensive courses (Spring)】	【Intensive courses (Fall)】	【Intensive courses (Spring·Fall)】	【other】
Course name	Course name	Course name	Course name
Frontiers of Device Engineering ♦ Image Processing ♦ Assessment and Design of Chemical Technologies II ♦	Assessment and Design of Chemical Technologies I ♦ Experimental High Energy Particle Physics D ♦	International Project for Advanced Science and Engineering ♦	Master's Thesis (Department of Electrical Engineering and Bioscience) Master's Thesis (Department of Pure and Applied Physics) Master's Thesis (Department of Chemistry and Biochemistry) Master's Thesis (Department of Integrative Bioscience and Biomedical Engineering) Master's Thesis (Department of Life Science and Medical Bioscience) Master's Thesis (Department of Applied Chemistry) Master's Thesis (Department of Nanoscience and Nanoengineering) Experiments in Nanoscience and Nanoengineering ♦ Experiments in Chemistry and Biochemistry ♦ Advanced Seminar A ♦ (Spring) Advanced Seminar B ♦ (Fall)

\* For more details about class schedules of intensive courses, please refer to the syllabi  
\* Courses allocated to one full year can be registered only in Spring course registration periods.