

2017 Spring Course timetable (for reference)

College	Level	Course Code	Course Name	Credit
College of Science	PG	5450	Quantum Mechanics (II)	3
College of Science	PG	5451	Electrodynamics (II)	3
College of Science	PG	5452	Seminar	1
College of Science	PG	5453	Quantum Field Theory (II)	3
College of Science	PG	5461	Special Topics in Strong Interactions(II)	3
College of Science	PG	5462	Particle Physics(I)	3
College of Science	UG	0515	Physics (II)	4
College of Science	UG	0517	Physics (II)	4
College of Science	UG	0522	Physics(II)	4
College of Science	PG	5440	Seminar	0
College of Science	PG	5444	Time Series	3
College of Science	UG	0312	Calculus (II)	4
College of Science	UG	0412	Calculus (II)	4
College of Science	PG	5395	Colloquium	1
College of Science	PG	5399	Labview Programming(I)	3
College of Science	UG	1368	Introduction to Materials Science	3
College of Science	UG	1369	Thermal Physics	3
College of Science	UG	1375	Experimental Physics(II)	2
College of Science	PG	5424	Seminar	1
College of Science	PG	5425	Seminar	1
College of Science	PG	5426	Seminar	1
College of Science	PG	5428	Seminar	1
College of Science	PG	5429	Seminar on Instrumental Analysis(II)	1
College of Science	PG	5431	Organometallic Chemistry	3
College of Science	PG	5434	Advanced Organic Chemistry(II)	3
College of Science	PG	5436	Coordination Chemistry	2
College of Science	PG	5437	Biochemical Analysis (I)	3
College of Science	PG	5438	Polymer Crystal Structure Morphology and Defects	2
College of Science	UG	1400	Chemistry (II)	3
College of Science	UG	1414	Physical Chemistry(II)	4
College of Science	UG	1418	Organic Chemistry(III)	3
College of Science	UG	1423	Analytical Chemistry (III)	3
College of Science	UG	1425	Fundamental Spectroscopy: Open Chemical Eyes	3
College of Science	UG	1430	Seminar C (2)	1
College of Science	PG	5465	Introduction of Synchrotron & Laser Techniques in Biomedical Research	3
College of Science	PG	5466	Chemical Kinetics and Dynamics	3
College of Science	PG	5467	Laser Bio/Nano Science	3
College of Science	PG	5468	Seminar	1
College of Science	PG	5469	Computational Quantum Chemistry	3
College of Science	PG	5470	Advanced Spectroscopy	3
College of Science	PG	5472	Fundamental spectroscopic analysis	3
College of Science	PG	5473	Fundamental Skills for Chemical Research	2
College of Science	PG	5474	Luminescence spectroscopy	3
College of Science	PG	5404	Real Analysis (II)	3
College of Science	PG	5407	Topics in Discrete Maths.(II)	0
College of Science	PG	5394	Applied Mathematics Methods	3
College of Photonics	PG	5156	Seminar-Ph.D.	1

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College of Photonics	PG	5157	Fouries Optics	3
College of Photonics	PG	5158	Nonlinear Optics	3
College of Photonics	PG	5754	Technical Writing in English	2
College of Photonics	PG	5169	Seminar-Ph.D.	1
College of Photonics	PG	5172	Laser applications	3
College of Photonics	PG	5176	Value-add Applications of Flat Panel Technologies	3
College of Photonics	PG	5179	Seminar-Ph.D.	1
College of Photonics	PG	5181	Introduction to Nanolithography	3
College of Management	PG	5531	Queueing Theory with Applications	3
College of Management	PG	5532	Probability	3
College of Management	PG	5670	Business Development for Start-ups	3
College of Management	PG	5671	Enterprise growth and M&A	3
College of Management	PG	5672	Strategic Management	3
College of Management	PG	5673	Financial Management	3
College of Management	PG	5674	Global Technology Strategy	3
College of Management	PG	5675	Global Supply Chain Management	3
College of Management	PG	5676	Financial Accounting	3
College of Management	PG	5677	Globalization Seminar	1
College of Management	PG	5558	Entrepreneurship and New Product Development	3
College of Management	PG	5562	Case study for Innovation Policy and Entrepreneurship	3
College of Management	PG	5564	Intellectual Property and Innovation Strategies	3
College of Management	PG	5585	Global Business Management	3
College of Management	PG	5586	Production and Operations Management	3
College of Management	PG	5587	Strategic Management	3
College of Management	UG	1480	Investments	3
College of Management	UG	1490	Macroeconomic Analysis	3
College of Management	PG	4035	Seminar in finance for doctoral students A	1
College of Management	PG	4036	Seminar in finance for doctoral students B	0
College of Management	PG	4015	Research Methodology for PhD Dissertation	3
College of Management	PG	5541	Special Topics on Financial Forecasting	3
College of Management	PG	5542	Scheduling Theory and Applications	3
College of Management	PG	5545	System Development and Project Management	3
College of Management	PG	5550	Game theory and Strategy	3
College of Management	UG	1450	Logistic Management	3
College of Management	PG	5519	Travel Demand Theory and Practic	3
College of Management	PG	5573	Logistics Operation Planning Model	3
College of Management	PG	5575	Phd. Independent Study	1
College of Management	PG	4006	Seminar on Thesis	1
College of Management	PG	4008	Intermediate Accounting (1)	3
College of Management	PG	5497	Technology Marketing	3
College of Management	PG	5680	Strategic Management of Innovation	3
College of Management	UG	1440	Principles of Marketing	3

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College	Level	Course Code	Course Name	Credit
College of Management	UG	1441	Principles of Marketing	3
College of Management	UG	1505	Accounting (II)	3
School of Law	PG	5189	International Moot Court Competition: Advanced Issues	3
School of Law	PG	5190	Introduction to Anglo-American Law	3
School of Law	PG	5198	Comparative Health Law	2
School of Law	PG	5219	Japanese Law	2
School of Law	PG	5235	U.S. Patent Trial Practice	3
College of Hakka Studies	UG	1643	Theater Performing Arts	3
College of Hakka Studies	PG	5489	Research on Social Network Analysis	3
College of Hakka Studies	PG	5491	Cognitive approaches to media	3
College of Hakka Studies	UG	1675	Culture Activism	3
College of Hakka Studies	UG	1676	Social Media and Communication	3
College of Hakka Studies	UG	1677	Fundamentals and Applications of Social Network Analysis	3
College of Electrical and Computer Engineering	PG	5121	Neural Prosthesis	3
College of Electrical and Computer Engineering	PG	5123	Biomedical optical techniques in neuroscience	3
College of Electrical and Computer Engineering	PG	5126	Introduction to Ultrasound and its Applications	3
College of Electrical and Computer Engineering	PG	5127	Introduction of Bio-lab on a Chip	3
College of Electrical and Computer Engineering	PG	5131	Advanced Biomedicine Sensing and Oncology	3
College of Electrical and Computer Engineering	PG	5096	Optoelectronics (II)	3
College of Electrical and Computer Engineering	PG	5110	Laser and optical metrology	3
College of Electrical and Computer Engineering	PG	5115	Nonlinear Optics	3
College of Electrical and Computer Engineering	PG	5117	Introduction to Optical Systems	3
College of Electrical and Computer Engineering	PG	5118	Optical Fiber Communication	3
College of Electrical and Computer Engineering	UG	1018	Probability and Statistics	3
College of Electrical and Computer Engineering	UG	1028	Electronics (II)	3
College of Electrical and Computer Engineering	UG	1032	Complex Variables	3
College of Electrical and Computer Engineering	UG	1054	Computer Organization	3
College of Electrical and Computer Engineering	UG	1055	Digital Signal Processing	3
College of Electrical and Computer Engineering	PG	5008	Radio-Frequency VLSI Design	3
College of Electrical and Computer Engineering	PG	5009	Memory Systems	3
College of Electrical and Computer Engineering	PG	5016	Semiconductor Physics and Devices (I)	3

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College	Level	Course Code	Course Name	Credit
College of Electrical and Computer Engineering	PG	5022	Nanometer RF Engineering	3
College of Electrical and Computer Engineering	PG	5026	Component Technology of MEMS	3
College of Electrical and Computer Engineering	PG	5028	Advanced Quantum Mechanics	3
College of Electrical and Computer Engineering	PG	5030	Detection and Estimation	3
College of Electrical and Computer Engineering	PG	5031	Phase Locked Loop Design and Applications	3
College of Electrical and Computer Engineering	PG	5033	Integrated Circuit Design Laboratory	3
College of Electrical and Computer Engineering	PG	5034	Bio-Medical Circuits and Systems	3
College of Electrical and Computer Engineering	PG	5067	Digital Communications	3
College of Electrical and Computer Engineering	PG	5069	Information Theory	3
College of Electrical and Computer Engineering	PG	5084	Semiconductor Memory	3
College of Electrical and Computer Engineering	PG	5088	Special Topics in Communication Networks: Network Economics	3
College of Electrical and Computer Engineering	PG	5089	Signal Integrity Design for High Speed Digital System	3
College of Electrical and Computer Engineering	PG	5948	Numerical Semiconductor Device Modeling	3
College of Electrical and Computer Engineering	PG	5059	Image Processing	3
College of Electrical and Computer Engineering	PG	5062	Robotic Vision	3
College of Electrical and Computer Engineering	PG	5093	Network Science	3
College of Electrical and Computer Engineering	PG	5094	Theory and Modeling of Semiconductor Nanostructures	3
College of Electrical and Computer Engineering	PG	5095	Cloud Computing and Big Date Analytics	3
College of Electrical and Computer Engineering	UG	1091	Numerical Analysis	3
College of Electrical and Computer Engineering	UG	1152	Linear Algebra	3
College of Electrical and Computer Engineering	UG	1155	Probability	3
College of Electrical and Computer Engineering	UG	1159	Electromagnetics (I)	3
College of Electrical and Computer Engineering	PG	5003	Computer Networks and Applications	3
College of Electrical and Computer Engineering	UG	1001	Electronics Lab. (II)	2
College of Electrical and Computer Engineering	UG	1036	Signals and Systems	3
College of Electrical and Computer Engineering	UG	1691	Signals and Systems	3

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College	Level	Course Code	Course Name	Credit
College of Engineering	PG	5324	Computational Technique and Its Application for Structural Health Moni	3
College of Engineering	PG	5325	Geophysical Exploration and Data Analysis	3
College of Engineering	PG	5329	Finite Element Methods	3
College of Engineering	PG	5331	Advanced Steel Structures	3
College of Engineering	PG	5338	Project Scheduling And Control	3
College of Engineering	PG	5392	Systematic Platforms and Implementations for Engineering Applications	3
College of Engineering	PG	5345	Materials for Energy Storage and Conversion Device	3
College of Engineering	PG	5346	Organic Electro-Optical Display Materials and Devices	3
College of Engineering	PG	5351	Phase Transformations	3
College of Engineering	PG	5356	Intro. to Compound Semiconductor Device & Process	3
College of Engineering	PG	5393	Nonomaterials Chemistry	3
College of Engineering	PG	5294	Micro/Nano Scale Energy Transport	3
College of Engineering	PG	5301	Heat Convection	3
College of Engineering	UG	1261	Energy Technology	3
College of Engineering	PG	5363	Sludge Treatment and Disposal	3
College of Engineering	PG	5365	Theory and Practice of Gaseous Pollution Control Devices	3
College of Engineering	PG	5367	Environmental Toxicology	3
College of Engineering	PG	5368	Surface Chemistry	3
International College of Semiconductor Technology	PG	5757	Seminar	0
International College of Semiconductor Technology	PG	5758	Introduction to Amplifier Design for Radio-Frequency Communication Applications	3
International College of Semiconductor Technology	PG	5759	Digital Signal Processing for Communication Systems	3
International College of Semiconductor Technology	PG	5760	Nonlinear Microwave and RF Circuits	3
College of Computer Science	PG	5286	Vehicular Vision System	3
College of Computer Science	UG	1167	Technology Entrepreneurship	3
College of Computer Science	UG	1171	Assembly Language and System Programming	3
College of Computer Science	UG	1188	Introduction to Computer Security	3
College of Computer Science	PG	4051	Special Topics Seminar A (PhD)	0
College of Computer Science	PG	5246	Operating System	3
College of Computer Science	PG	5253	Artificial Intelligence	3
College of Computer Science	PG	5257	Advanced Programming in the UNIX Environment	3
College of Computer Science	PG	5258	User Experience and Usability Evaluation	3
College of Computer Science	PG	5260	Future Interactive Technology	3
College of Computer Science	PG	5950	Parallel program optimization with practical applications in Bioinformatics	3

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College	Level	Course Code	Course Name	Credit
College of Computer Science	UG	1177	Introduction to Formal Language	3
College of Computer Science	UG	1198	Basic Programming	0
College of Computer Science	UG	1201	Data Structures and Object-oriented Programming	3
College of Computer Science	UG	1202	Discrete Mathematics	3
College of Computer Science	UG	1203	Computer Organization	3
College of Computer Science	UG	1204	Computer Organization	3
College of Computer Science	UG	1206	Computer Science and Engineering Projects (I)	2
College of Computer Science	UG	1211	Computer Science and Engineering Projects (II)	2
College of Computer Science	PG	5268	High Speed Networking	3
College of Computer Science	PG	5269	Network Security	3
College of Computer Science	PG	5270	Pervasive Computing	3
College of Computer Science	PG	5272	Multimedia Communications	3
College of Computer Science	PG	5273	Cloud-enabled 4G/LTE and 5G Network & Applications	3
College of Computer Science	PG	5275	Protocol and Systems Design for Wireless Mobile Networks	3
College of Biological Science and Technology	PG	4031	Special Topics Seminar D(PhD)	1
College of Biological Science and Technology	PG	5718	Hearing Sciences	3
College of Biological Science and Technology	PG	5719	Translational Medicine:Pathology	2
College of Biological Science and Technology	PG	5720	Neurofeedback in Clinical Practice	3
College of Biological Science and Technology	PG	5724	Intermediate Electrocardiology	3
College of Biological Science and Technology	PG	5725	Seminars in Electrocardiology	3
College of Biological Science and Technology	PG	5726	Clinical Trials & Evidence-based Medicine	3
College of Biological Science and Technology	PG	4001	Special Topics Seminar A(PhD)	1
College of Biological Science and Technology	PG	5682	Thesis in the Biological Science and Technology-nanoscience and nanotechnology	1
College of Biological Science and Technology	PG	5683	Thesis in the Biological Science and Technology-Neuroscience Program	1
College of Biological Science and Technology	PG	5684	Thesis in Biological Science and Technology -Cancer Biology and Immunology	1
College of Biological Science and Technology	PG	5685	Thesis in Biological Science and Technology - Biochemistry and Molecular Biology	1
College of Biological Science and Technology	PG	5686	Thesis in Biological Science and Technology - Material Sciences and Biomaterials	1
College of Biological Science and Technology	PG	5688	Special Topic Seminar in Biomedical Science	1
College of Biological Science and Technology	PG	5689	Special Topic Seminar in Biochemistry and Molecular Biology	1

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College of Biological Science and Technology	PG	5690	Special Topic Seminar in Bioelectronic	1
College of Biological Science and Technology	PG	5691	Special Topic Seminar in Biomedical Engineering	1
College of Biological Science and Technology	PG	5701	Application and Perspective of Induced Pluripotent Stem Cells	3
College of Biological Science and Technology	PG	5702	Recombinant DNA Technology for Metabolic Engineering	2
College of Biological Science and Technology	PG	5705	Cell Biology Application of Microscopy	2
College of Biological Science and Technology	PG	5706	Experiments for Physical Biochemistry	1
College of Biological Science and Technology	UG	1540	Biochemistry (II)	3
College of Biological Science and Technology	PG	4045	Special Topics Seminar B(PhD)	1
College of Biological Science and Technology	PG	5729	Thesis in Bioinformatics	1
College of Biological Science and Technology	PG	5730	Special Topic Seminar in Bioinformatics(MS)	1
College of Biological Science and Technology	PG	5742	Structural Biology Thesis	3
College of Humanities and Social Sciences	UG	1575	Communicative Skills Workshop (2)	3
College of Humanities and Social Sciences	UG	1576	Communicative Skills Workshop (2)	3
College of Humanities and Social Sciences	UG	1577	Communicative Skills Workshop (2)	3
College of Humanities and Social Sciences	UG	1578	Freshman English (2)	3
College of Humanities and Social Sciences	UG	1579	English Composition (2)	2
College of Humanities and Social Sciences	UG	1580	English Composition (2)	2
College of Humanities and Social Sciences	UG	1581	English Composition (2)	2
College of Humanities and Social Sciences	UG	1596	English Literature (2)	3
College of Humanities and Social Sciences	UG	1597	Advanced Writing (2)	3
College of Humanities and Social Sciences	UG	1602	Computer Assisted Language Learning	2
College of Humanities and Social Sciences	UG	1613	Wilde: Short Fiction and Popular Culture	3
College of Humanities and Social Sciences	UG	1614	Phonology seminar: second language acquisition	3
College of Humanities and Social Sciences	UG	1615	Bilingual Creative Writing (2)	3
College of Humanities and Social Sciences	PG	5796	Phonology	3
College of Humanities and Social Sciences	PG	5801	Cinema and Psychoanalysis	3

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College	Level	Course Code	Course Name	Credit
College of Humanities and Social Sciences	PG	5802	Transgender Studies: Theory and Fiction	3
College of Humanities and Social Sciences	PG	5891	Transnationalism and Culture	2
College of Humanities and Social Sciences	PG	5894		3
College of Humanities and Social Sciences	PG	5900	Marks for a critical approach to Eurocentrism	3
College of Humanities and Social Sciences	PG	5901	The Intellectual History of Empire	2
College of Humanities and Social Sciences	PG	5859	Seminar in Architecture(II)	1
College of Humanities and Social Sciences	PG	5860	Seminar in Architecture(IV)	1
College of Humanities and Social Sciences	PG	5903	Thesis Writing	3
College of Humanities and Social Sciences	PG	5904	Discourse Analysis	3
College of Humanities and Social Sciences	PG	5905	Mobile Technology and Language Learning	3
College of Humanities and Social Sciences	PG	5906	Teaching Children English	3
College of Humanities and Social Sciences	PG	5805	Music Colloquium	0
College of Humanities and Social Sciences	PG	5874	Human Motivation and E-learning	3
College of Humanities and Social Sciences	PG	5876	Structural Equation Modeling	3
College of Humanities and Social Sciences	PG	5879	Application of Learning Analytics in Learning Management Systems	2
College of Humanities and Social Sciences	PG	5773	Seminar on Communication English: Recreation and Travel	3
College of Humanities and Social Sciences	PG	5775	Digital TV Production	3
College of Humanities and Social Sciences	PG	5779	Independent Study on Design	3
Others	UG	6118	Introduction to Philosophy	2
Others	UG	6306	Introduction to Philosophy	2
Others	UG	6342	Int to Psychology	2
Others	UG	6527	Exploring History of Science. Part I: Science in Ancient Worlds	2
Others	UG	6559	Exploring History of Science. Part 2: From pre-modern to modern science	2
Others	UG	6622	Biochemistry and Pharmaceutical	2

