

TIGP Course Schedule for 2018 Spring Semester

Please click on the course for detailed information.

Day	Time	Monday	Tuesday	Wednesday	Thursday	Friday
Morning	9:00 ~	9:00~12:00 Elementary Chinese Class	09:00-12:00 (BIO) Basic Molecular Biology II	9:00~12:00 (ESS) Geology and Tectonics	09:00-12:00 (BIO) Advanced Statistical Methods in Bioinformatics	9:10am - 12:10pm (CBMB) Discussion in Advanced Chemical Biology II
		9:00~12:00 (ESS) Special Topics on Atmospheric Remote Sensing [3]	9:10-12:00 (MST) Introduction to Recent Trends in Atomic and Molecular Physics	9:00~12:00 (ESS) Atmospheric Dynamics	09:00-12:00 (SCST) Advanced Analytic Chemistry	9:30-12:30 (NANO) Advanced Nanotechnology (B)
		9:10-10:00 (MST) Advanced Physical Chemistry II		09:00~12:00 (SCST) Introduction to SCST II		
				9:10-12:00 (NANO) Advanced Nanotechnology (A)		
	10:00 ~			10:10-12:00 (MST) Advanced Physical Chemistry II		10:00-11:50 (MM) Special Topics in Neurobiology
Day	Time	Monday	Tuesday	Wednesday	Thursday	Friday
Afternoon	13:00 ~		13:00~16:00 (ESS) Health Risk Assessment for Environmental Pollution Issue	13:00~14:00 (ESS) Seminar and Research Discussion II	13:30-16:30 (SCST) Advanced Organic Chemistry	
		13:30-16:30 (MST) Special Studies on Topics about Molecular Science and Technology II	13:30-16:20 (MM) Molecular Medicine	13:30-15:30 (INS) Neural Development		
		13:30-15:20 (MCB) Professional Development for a Graduate Student				
	14:00 ~	14:00-16:00 (MBAS) Molecular & Cellular Approaches to Biotechnologies	14:00 - 17:00 (CBMB) Experimental Molecular Biophysics	14:00-17:00 (ESS) Global Seismology	14:00-15:30 (BIO) Seminar (Faculty Presentation)	14:00~17:00 Elementary Chinese Class
		1400-1700 (SNHCC) Social Multimedia	14:00-16:00 (MBAS) Agricultural Microbiology	14:00-16:00 (SNHCC) Seminar	14:10-17:00 (NANO) Characterization, Fabrication and Manipulation at Nanometer Scale	14:00-17:00 (BIO) Advanced Algorithms
		14:20-17:20 (BIODIV) Ecology and Conservation			14:20-17:20 (BIODIV) Introduction to Next-Generation Sequencing (NGS) Data and Analysis	14:00-17:00 (SNHCC) Advanced Algorithms
			14:20-17:20 (BIODIV) Molecular and Evolution (A)	14:10-16:00 (NANO) Seminar		14:10-17:00 (NANO) Nanoscale Optical Microscopy and Spectroscopy
				14:30~16:30 (SCST) Seminar		
	15:00 ~	15:30-17:30 (MST) Seminar Presentation on Topics about Molecular Science and Technology			15:30-17:00 (MST) Colloquium I & II	
					15:30-17:00 (BIO) Student Presentation	
	16:00 ~		16:30-19:30 (NANO) Special Topics on Solid State Physics: Advances and Applications			

Chinese Courses

No.	Course Name	Required or Elective	Credit	Coordinator	Course Information	Duration	Building (Location)
1	Elementary Chinese Class	Required for foreign students	0	Ms. Chi	Monday 9:00~12:00	2/26~ 7/2	Room 207, TIGP Building 2F
2	Elementary Chinese Class	Required for foreign students	0	Ms. Huang	Friday 14:00~17:00	2/23~ 6/29	Room 207, TIGP Building 2F

[Return to Spring Course Schedule](#)

CBMB

For the most up-to-date information, please refer to: <http://proj1.sinica.edu.tw/~tigpcbmb/courses.htm>

No.	Course Name	Course Type	Credit	Coordinator	Special Requirements	Course Information	Duration	Building(Location)
1	Discussion in Advanced Chemical Biology II	Required/ Elective	3			Fridays: 9:10am - 12:10pm (First lesson is on 2 March.)		Room 121, Department of Chemistry, National Taiwan University
2	Experimental Molecular Biophysics	Required/ Elective	3			Tuesdays: 2:00pm - 5:00pm (First lesson is on 27 February.)		Institute of Biological Chemistry, Room 102, AS
3	Pharmaceutical Chemistry	Elective	2		Students who intend to take the class for getting certificates only : register the class at http://www.ibc.sinica.edu.tw/ucd-as/regform.aspx between mid-February and late March. No application fee required. Students who intend to take the class for getting certificates and credits : register the class at http://www.ibc.sinica.edu.tw/ucd-as/regform.aspx between mid-February and late March. No application fee required.	Mondays (optional): 2pm - 5pm (consultation, discussion and/or self-study time) Thursdays: 2pm - 5pm Saturday: 9am - 12pm Course Duration: 29 March - 28 April	4/6-4/29	For course schedule, please refer to Calendar at http://www.ibc.sinica.edu.tw/ucd-as/
4	Chemistry of Natural Products	Elective	2		Register the class via the course selection system of your registered university. For more information, please visit: http://www.ibc.sinica.edu.tw/ucd-as/Prog.html For Computer Modeling for Drug Design: **The AST students may attend whichever lab periods they wish in order to complete the computational experiments -- depending on how efficiently they work, that should be 4-5 lab periods.	Mondays (optional): 9am - 12pm (consultation, discussion and/or self-study time) 1pm - 4pm Thursdays: 2pm - 5pm Saturday: 9am - 12pm Course Duration: 3 May - 19 May	5/4-5/20	For course schedule, please refer to Calendar at http://www.ibc.sinica.edu.tw/ucd-as/
5	Computer Modeling for Drug Design	Elective	2		In order to receive credit for the completing the course, the AST students will need to complete, satisfactorily, all of the short post-lab reports associated with the computational experiments. By carrying out the computational experiments and completing the post-lab reports, they will have gained sufficient experience with modern drug design software to be able to apply these tools to problems in their research as desired.	Mondays & Fridays: 9am - 12pm & 2pm - 5pm Saturdays: 9am-12pm & 2pm-5pm Course Duration: 18 May - early June	5/20-6/8	For course schedule, please refer to Calendar at http://www.ibc.sinica.edu.tw/ucd-as/
6	Research skill and practice: biological NMR spectroscopy	Elective	2	Dr. Danny Hsu	Email Dr. Shang-Te Danny Hsu for approval before selecting this course			

[Return to Spring Course Schedule](#)

MST

For the most up-to-date information, please refer to:

<http://tiqp.iams.sinica.edu.tw/>

No.	Course Name	Course Type	Credit	Coordinator	Course Information	Duration	Building (Location)
1	Seminar Presentation on Topics about Molecular Science and Technology (分子科學與技術書報討論暨演練)	Required	2	Yuh-Lin Wang	Tuesday 15:30-17:30	2/22~ 6/22	Room 311, IAMS
2	Colloquium I & II 專題演講I & II	Required	0	Yuh-Lin Wang	Thursday 15:30-17:00	2/22~ 6/22	Dr. Poe Lecture Hall, IAMS
3	Special Studies on Topics about Molecular Science and Technology II 分子科學與技術專題研究II	Required	3	Yuh-Lin Wang	Monday 13:30-16:30	2/22~ 6/22	Room 311, IAMS
4	Advanced Physical Chemistry II 高等物理化學二	Elective	3	Michitoshi Hayashi Jer-Lai Kuo	Monday 9:10-10:00 Wednesday 10:10-12:00	2/22~ 6/22	Room 121, Chemistry Building, NTU
5	Introduction to Recent Trends in Atomic and Molecular Physics 當代原子與分子物理導論	Elective	3	Yu-Ju Lin Jim Jr-Min Lin Michitoshi Hayashi Kaito Takahashi Ming-Shien Chang Ying-Cheng Chen	Tuesday 9:10-12:00	2/22~ 6/22	Room 311, IAMS

[Return to Spring Course Schedule](#)

MBAS

For the most up-to-date information, please refer to:

<http://abrc.sinica.edu.tw/mbas/course.php>

No.	Course Name	Course Type	Credit	Coordinator	Course Information	Duration	Building(Location)
1	Molecular & Cellular Approaches to Biotechnologies (分子與細胞生物科技)	Core	3	Dr. Pei-Wen Hsiao (ABRC)	Monday 14:00-16:00	2/26-6/25	A236, 2F, Agricultural Technology building
2	Agricultural Microbiology (農業微生物學)	Core	3	Dr. Erh-Min Lai (IPMB)	Tuesday 14:00-16:00	2/27-6/26	A236, 2F, Agricultural Technology building

[Return to Spring Course Schedule](#)

MCB

For the most up-to-date information, please refer to:

<http://www.imb.sinica.edu.tw/mcb/study.php#courses>

No.	Course Name	Course Type	Credit	Coordinator	Course Information	Duration	Building(Location)
1	Professional Development for a Graduate Student	Elective	2	Dr. Jun-An Chen Dr. Yen-Ping Hsueh	http://www.imb.sinica.edu.tw/mcb/pd.php	Feb. 5th to May 28th	1Fl Auditorium, IMB

[Return to Spring Course Schedule](#)

NANO

For the most up-to-date information, please refer to:

http://www.phys.sinica.edu.tw/TIGP-NANO/Course/2017_Fall.html

No.	Course Name	Course Type	Credit	Coordinator	Course Info.	Duration	Building(Location)
1	Advanced Nanotechnology (A) (奈米科技進階 A)	Required	3	Chang, Yia-Chung Shih, Min-Hsiung Nazarov, Valdmir Chang, Shuwei	Wednesday 9:10-12:00	3/7-6/27	C101, Interdisciplinary Research Building for Science and Technology, AS
2	Advanced Nanotechnology (B) (奈米科技進階 B)	Required	3	Tung, Yi-Chung Chen, Pei-Lin	Friday 9:30-12:30	3/2-6/29	P101 Meeting Room IoP
3	Characterization, Fabrication and Manipulation at Nanometer Scale (奈米尺度的量測、製作與操控)	Elective	3	Chang, Chia-Seng	Thursday 14:10-17:00	3/1-6/28	P101 Meeting Room IoP
4	Special Topics on Solid State Physics: Advances and Applications (固態物理專題：進階與應用)	Elective	3	Lin, Minn-Tsong	Tuesday 16:30-19:30	2/27-6/26	Dept of Physics, NTU
5	Nanoscale Optical Microscopy and Spectroscopy (奈米光學影像和光譜)	Elective	3	Chen, Chi	Friday 14:10-17:00	3/2-6/29	505B, Interdisciplinary Research Building for Science and Technology, AS
6	Seminar	Required	1	Faculty	Wednesday 14:10-16:00	3/7-6/20	P101 Meeting Room, IoP

[Return to Spring Course Schedule](#)

BIO

For the most up-to-date information, please refer to:

<http://tigppb.iis.sinica.edu.tw/tigppbio/2018Fall.html>

No.	Course Name	Course Type	Credit	Coordinator	Special Requirements	Course Information	Duration	Building(Location)
1	Basic Molecular Biology II (基礎分子生物學 (二) B2)	Required	3	Dr. Chung-Hsiung Chang Dr. Sen-Ling Tang	for all none-BP students: Please register here to ensure your class enrollment	Tuesday 09:00-12:00	2/27~ 6/26	Room 107, New Building of IIS, Academia Sinica
2	Advanced Statistical Methods in Bioinformatics 進階生物資訊統計學 S2	Required	3	Dr. Grace Shieh	for all none-BP students: Please register here to ensure your class enrollment	Thursday 09:00-12:00	2/22~ 6/21	Room 107, New Building of IIS, Academia Sinica
3	Seminar (Faculty Presentation)	Required	1	Dr. Chun-Yen Lin (Informatics) Dr. Ho-Min Chen (Biology) Dr. Wei-Chung Liu (Statistic)		Thursday 14:00-15:30	2/22~ 6/21	Room 101, New Building of IIS, Academia Sinica
4	Student Presentation	Required	1	Dr. Chung-Hsiung Chan		Thursday 15:30-17:00	2/22~ 6/21	Room 101, New Building of IIS, Academia Sinica
5	Advanced Algorithms 高等演算法 C2	Required		Dr Ting-Yi Sung	for all none-BP students: Please register here to ensure your class enrollment	Friday 14:00-17:00	2/23~ 6/22	Room 107, New Building of IIS, Academia Sinica

[Return to Spring Course Schedule](#)

MM

For the most up-to-date information, please refer to:

<http://www.ibms.sinica.edu.tw/mmp/page/2-2.htm>

No.	Course Name	Course Type	Credit	Coordinator	Course Information	Duration	Building(Location)
1	Molecular Medicine (分子醫學)	Required	3	Dr. Chen, Chien-Chang 陳建璋	Tuesday 13:30-16:20	Feb. 27-June 5	8th floor, TIGP classroom, IBMS (simulcasting with NYMU at library Rm. 404)
2	Special Topics in Neurobiology (神經生物學特論)	Elective	2	Dr. Lin, Teng-Nan 林 天南	Friday 10:00-11:50	Jan. 19-June 15, at least attend 16 classes	8th floor, TIGP classroom, IBMS

[Return to Spring Course Schedule](#)

ESS

For the most up-to-date information, please refer to:

<http://www.rcec.sinica.edu.tw/tigp-ess/schedule.html>

No.	Course Name	Course Type	Credit	Coordinator	Course Information	Duration	Building(Location)
1	Special Topics on Atmospheric Remote Sensing [3] 大氣遙測專題特論	Elective	3	Chian-Yi Liu	Monday 9:00~12:00	2/22~6/22	Room 403, Research Center for Information Technology, Academia Sinica
2	Health Risk Assessment for Environmental Pollution Issue 環境汙染之健康風險評估	Elective	2	Shih-Chun Candice Lung	Tuesday 13:00~16:00	2/22~6/23	Room 1105A, 11F, South Humanities and Social Sciences Building, Academia Sinica
3	Geology and Tectonics 板塊構造地質學	Core Course (Solid earth sciences)	3	Andrew Tien-Shun Lin, Jian-Cheng Lee, Yu-Chang Chan, Chih-Tung, Chen	Wednesday 9:00~12:00	2/22~6/24	Room 414, Institute of Earth Science, Academia Sinica & S218, College of Earth Science(Science Building 1)
4	Atmospheric Dynamics 大氣動力學	Core Course (Atmospheric sciences)	3	Huang-Hsiung Hsu	Wednesday 9:00~12:00	2/22~6/25	Room 403, Research Center for Information Technology, Academia Sinica
5	Seminar and Research Discussion II 書報討論II	Required Course	1	Shih-Yu Lee, Yi-Chia Hsin, Frederic Deschamps,	Wednesday 13:00~14:00	2/22~6/25	Room 1105A, 11F, South Building, Humanities and Social Sciences Building, Academia Sinica
6	Global Seismology 全球地震學	Core Course (Solid Earth Sciences)	3	Po-Fei Chen, Bor-Shouh Huang	Wednesday 14:00~17:00	2/22~6/26	Room 314, Institute of Earth Science, Academia Sinica

[Return to Spring Course Schedule](#)

BIODIV

For the most up-to-date information, please refer to:

<http://biodiv.sinica.edu.tw/TIGP-BP/index.php?page=course>

No.	Course Name	Course Type	Credit	Coordinator	Special Requirements	Duration	Duration	Building(Location)
1	Ecology and Conservation 生態與保育	Required	3	Chung-Chi Chen		Monday 14:20-17:20	2/26~ 6/25	Room S604, NTNU Gongguan Campus Room B204, Interdisciplinary Research Building, for Science and Technology, BRC, Academic Sinica
2	Molecular and Evolution (A) 分子演化 甲	Elective	3	Ryuji Machida Chung-Ping Lin	Prerequisites: Population Genetics and Evolution	Tuesday 14:20-17:20	2/27~6/26	Room B204, Interdisciplinary Research Building for Science and Technology, BRC, Academic Sinica Room B09, Green House, BRC, Academic Sinica
3	Introduction to Next- Generation Sequencing (NGS) Data and Analysis 次世代定序：理論及方法	Elective	3	Isheng Jason Tsai Chung-Ping Lin		Thursday 14:20-17:20	3/1~6/28	Room B208, Interdisciplinary Research Building for Science and Technology,BRC, Academic Sinica

[Return to Spring Course Schedule](#)

INS

For the most up-to-date information, please refer to:

<http://npas.programs.sinica.edu.tw/ins/curriculum.html>

No.	Course Name	Course Type	Credit	Coordinator	Course Information	Duration	Building(Location)
1	Neural Development 神經發育學	Elective	2	Shen-Ju Chou Chi Kuang Yao	Wednesday 13:30-15:30	2/21~6/27	Room B100, Interdisciplinary building, AS

[Return to Spring Course Schedule](#)

SCST

For the most up-to-date information, please refer to:

<http://tigp-scst.chem.sinica.edu.tw/index.php/course/courses>

No.	Course Name	Course Type	Credit	Coordinator	Course Information	Duration	Building(Location)
1	Introduction to SCST II 永續化學科技導論 II	Required	3	Ito Chao	Wednesday AM 09:00~12:00	3/7-6/20	A507, IoC, AS
2	Seminar 書報討論	Required	1	Ito Chao	Wednesday PM 02:30~04:30	3/7-6/20	B105, IoC, AS
3	Colloquium 專題演講	Required	1	Wei-Hau Chang	X	X	X
4	Lab Rotation 實驗室實習	Required	0	SCST Faculty	X	X	X
5	Advanced Organic Chemistry 高等有機化學	Elective (Core Course)	3	Cheng-Chung Wang Jiun-Jie Shie	Thursday PM 01:30-04:30	3/1-7/5	B105, IoC, AS
6	Advanced Analytic Chemistry 高等分析化學	Elective (Core Course)	3	Yu-Ju Chen Der-Lii Tzou	Thursday AM 09:00-12:00	2/22-6/21	A507, IoC, AS

[Return to Spring Course Schedule](#)

SNHCC

For the most up-to-date information, please refer to:

<http://tigpsnhcc.iis.sinica.edu.tw/curstudent.html>

No.	Course Name	Course Type	Credit	Coordinator	Special Requirements	Course Information	Duration	Building(Location)
1	Seminar (書報討論)	Required	0	Dr. De-Nian Yang		Wednesday 14:00-16:00	3/7-6/6	N106, Insitute of Information Science
2	Social Multimedia (社群多媒體)	Required	3	Dr. Wen-Huang Cheng		Monday 1400-1700	2/26-6/22	N107, Insitute of Information Science
3	Advanced Algorithms (高等演算法)	Elective	3	Dr Ting-Yi Sung	for all none-BP students: Please register here to ensure your class enrollment	Friday14:00-17:00	2/23- 6/22	N107, Insitute of Information Science

[Return to Spring Course Schedule](#)