

2022 Fall MBAS Course List

*Important dates

Course registration: **8/29 (10:00am) -9/2 (8:00am)**

Add/drop course: **9/5 (10:00am)-9/9 (8:00am)**

Class begins: **9/5** Mid-term exam: **11/7-11/11** Final exam: **1/3-1/9** Grade submission: **before 1/16**

National holidays: **9/9 (Fri.); 10/10 (Mon.); 1/2 (Mon.)**

code	course name	type	credit	time & classroom	coordinator	program
XXXX	TIGP signature course [Part I]: Core approaches for current molecular biology research (當代分子生物學研究核心方法) 1 st year students only: This course will be combined with a Fall semester's core course "Molecular & Cellular Approaches to Biotechnologies". After you finish taking [Part I] & [Part II], you will receive totally 3 credits from the core course.	core		Begin on 9/26 Mon. 15:30-17:20 Auditorium, 1F, Inst. of Molecular Biology TIGP Molecular & Cell Biology Program (sinica.edu.tw)	Dr. Nan-Shih Liao IMB	MCB
8018	Phytochemistry & Herbal Medicine (植物化學與藥草醫學)	Elective	2	Begin on 9/5 Mon. 10:00-12:00 A236, Agricultural Technology building	Dr. Lie-Fen Shyur ABRC	MBAS
8028	Advanced Plant Biology (植物生物學特論)	core	3	Begin on 9/6 Tue. 14:00-17:00 A236, Agricultural Technology building	Dr. Chung-Ju Wang IPMB	MBAS
8016	Advanced Animal Biology (動物生物學特論)	core	3	Begin on 9/8 Thu. 14:00-17:00 A236, Agricultural Technology building	Dr. Hwei-Jan Hsu ICOB	MBAS
8019	Student Seminar (專題討論與學術研討會) 1 st and 2 nd year students only	Required	1	Begin on 9/7 Wed. 13:00-15:00 A236, AT building	Dr. Ho-Ming Chen ABRC	MBAS
8022	Lab Rotation (實驗室實習) 1 st year students only	required	1	Begin on 9/5 Mon.(working hours) AS or NCHU campus	MBAS faculty	MBAS

MBAS courses offering for 2nd year and senior year students only

code	course name	type	credit	time & classroom	coordinator	program
XXXX	Ph.D. Dissertation (博士論文) *Required for students from 2 nd year to 7 th year.	required	6	All semester	MBAS faculty	MBAS
Each student can only select 1 research topic from all 4 topics per semester.						
8231	Agricultural Biotechnology Research on Molecular & Biological Agricultural Sciences (專題研究: 分子生物農業科學之農業生物科技研究)	elective	1	Begin on 9/5 AS or NCHU campus	MBAS thesis advisor	MBAS
8232	Animal Biology Research on Molecular & Biological Agricultural Sciences (專題研究: 分子生物農業科學之動物學研究)	elective	1	Begin on 9/5 AS or NCHU campus	MBAS thesis advisor	MBAS
8233	Plant Biology Research on Molecular & Biological Agricultural Sciences (專題研究: 分子生物農業科學之植物學研究)	elective	1	Begin on 9/5 AS or NCHU campus	MBAS thesis advisor	MBAS
8234	Molecular Biology Research on Molecular & Biological Agricultural Sciences (專題研究: 分子生物農業科學之分子生物學研究)	elective	1	Begin on 9/5 AS or NCHU campus	MBAS thesis advisor	MBAS
Each student can only select 1 literature topic from all 4 topics per semester.						
8238	Literature Review of Agricultural Biotechnology on Molecular & Biological Agricultural Sciences (文獻選讀: 分子生物農業科學之農業生物科技)	elective	1	Begin on 9/5 AS or NCHU campus	MBAS thesis advisor	MBAS
8235	Literature Review of Animal Biology on Molecular & Biological Agricultural Sciences (文獻選讀: 分子生物農業科學之動物學)	elective	1	Begin on 9/5 AS or NCHU campus	MBAS thesis advisor	MBAS
8236	Literature Review of Plant Biology on Molecular & Biological Agricultural Sciences (文獻選讀: 分子生物農業科學之植物學)	elective	1	Begin on 9/5 AS or NCHU campus	MBAS thesis advisor	MBAS
8237	Literature Review of Molecular Biology on Molecular & Biological Agricultural Sciences	elective	1	Begin on 9/5 AS or NCHU campus	MBAS thesis advisor	MBAS

	(文獻選讀: 分子生物農 業科學之分子生物學)					
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Course offering from other TIGP programs

code	course name	type	credit	time & classroom	coordinator	program
8230	<p>TIGP signature course:</p> <p>Core approaches for current molecular biology research (當代分子生物學研究核心方法)</p> <p>*1st year students are suggested to combine this course with Spring semester's core course (3 course credits). Please refer to Page 1.</p>	elective	1	<p>Begin on 9/26</p> <p>Mon. 15:30-17:20</p> <p>Auditorium, 1F, Inst. of Molecular Biology</p> <p>TIGP Molecular & Cell Biology Program (sinica.edu.tw)</p>	MCB faculty	MCB
8026	<p>Experimental Approaches in Molecular and Cell Biology (分子與細胞學之研究系統與方法)</p>	elective	1	<p>9/12, 9/19, 9/26, 12/5, 12/12, 12/19, 12/26, 1/9, 1/16</p> <p>15:30-17:20</p> <p>Rm123, 1F, Inst. of Molecular Biology</p> <p>TIGP Molecular & Cell Biology Program (sinica.edu.tw)</p>	MCB faculty	MCB
8017	<p>Molecular and Cell Biology (分子與細胞生物學)</p>	elective	4	<p>Begin on 9/8</p> <p>Mon. 10:00-11:50</p> <p>Thu. 13:30-16:20</p> <p>Rm123, Inst. of Molecular Biology</p>	MCB faculty	MCB
8023	<p>Virus & Cell Interaction (病毒與細胞交互作用特論)</p>	elective	2	<p>Begin on 9/3</p> <p>Sat. 10:00-11:50</p> <p>Rm123, Inst. of Molecular Biology</p>	MCB faculty	MCB
8027	<p>Advanced Chemical Biology (高等化學生物學專論)</p>	elective	4	<p>Begin on 9/23</p> <p>Mon. 13:30-15:10</p> <p>Thu. 13:30-15:10</p> <p>Room 121, Department of Chemistry, NTU</p>	CBMB faculty	CBMB
8020	<p>Basic Molecular Biology I (基礎分子生物學 I)</p>	elective	3	<p>Begin on 9/6</p> <p>Tue. 9:00-12:00</p> <p>Rm. 107, Institute of Information Science (New Building)</p>	Bioinformatics faculty	Bioinformatics
8021	<p>Biological Computing I (生物計算學 I)</p>	elective	3	<p>Begin on 9/7</p> <p>Fri. 14:00-17:00</p>	Bioinformatics faculty	Bioinformatics

				Rm. 107, Institute of Information Science (New Building)		
8013	Population Genetics and Evolution (族群遺傳與演化)	elective	3	Begin on 9/6 Tue. 9:10-12:10 Rm B204, Biodiversity Center	Biodiversity faculty	Biodiversity
XXXX	Elementary Chinese (初級中文) *1 st year foreign student only	required	0	Begin on Mon. (9/12) 18:30-21:30 or Wed. (9/14) 18:30-21:30 Room 207, TIGP Building	Chinese teacher from Chinese language center	TIGP