

四、本所指定一名專任教師擔任跨域學程導師，與外系所或學院的跨域學程導師組成導師群，專責輔導跨域學程的學生。

Article Four Our institute assigned one full-time teacher to be the mentor of the cross-disciplinary program and formed mentor group with teachers of cross-disciplinary program at other department or college to give guidance to cross-disciplinary program students.

五、為鼓勵不同系所或學院合作提出跨域共授課程，由兩位以上教師開授跨領域之創新整合式課程，得依本校教師授課鐘點核計原則第九條第六款規定，教師的授課鐘點數可按到場時數計，但以開課前該門課程之實際簽呈為依據。

Article Five In order to encourage different departments or colleges working together for the proposal of cross-disciplinary curriculum, the number of teaching hours for the innovating integrated curriculum offered by more than two teachers could be calculated by the actual time of teaching according to Subparagraph 6, Article 9 of National Chiao Tung University Teaching Hours Accounting Principle; however, it will be in accordance with the official approval of the curriculum before the course starts.

六、本要點如有未盡事宜，悉依本校學則及其他相關規定辦理。

Article Six If there is any unaccomplished matter of these guidelines, it shall be handled in accordance with the school constitution of our university as well as other relevant regulations.

七、本要點經所課程委員會、院課程委員會及校級課程委員會通過並提教務會議核備後實施，修訂時亦同。

Article Seven These guidelines were approved by the institute Curricular Committee, confirmed by the Curriculum Committees of the home College and the University, then submitted to the Council of Academic Affairs for approval-for-reference before putting it into practice; the same shall be done upon any amendment thereto.

生物資訊跨域模組課程 必修科目表(B)

The Required Course List for the students study cross-disciplinary module curriculum in Institute of Bioinformatics

類別 Category	科目名稱 Course Name	學分 Credit	開課系所 Department	備註 Remark
(一)生物資訊跨域模組 (共 30 學分，必修 12 學分、選修 18 學分) Cross-disciplinary modules at our institute (30 credits) 修畢於畢業證書加註『跨域專長：生物資訊』 It could be remarked as "Cross-Disciplinary Specialty: Bioinformatics" on the diploma after the module curriculum is completed.	普通生物學(一)或近代生物學(一) General Biology(I)	3	生科系 Department of Biological Science and Technology	必修 12 學分 Required 12 credits
	計算生物概論 Introduction to Computational Biology	2	生科系 DBSB	
	計算生物實驗 Computational Biology Lab.	1	生科系 DBSB	
	生物化學(一) Biochemistry(I)	3	生科系 DBSB	
	分子生物學(一) Molecular Biology (I)	3	生科系 DBSB	選修 18 學分 Elective 18 credits
	生物統計 Biostatistics	3	生科系 DBSB	
	生物機器學習 Machine Learning for Biology	3	生科系 DBSB	
	生科應用數學 Applied Mathematics for Biological Science and Technology	3	生科系 DBSB	
	結構生物資訊	3	生科系	

Structural Bioinformatics		DBSB
生物序列分析與高通量技術 Biological Sequence Analysis and High Throughput Technologies	3	生科系 DBSB
分子演化 Molecular Evolution	3	生科系 DBSB
生物影像資訊學 Bioimage Informatics	3	生資所 Ins. of Bioinformatics and Systems Biology
統計熱力學 Statistical Thermodynamics	3	生資所 Ins. of Bioinformatics and Systems Biology
分子模擬 Molecular Simulation	3	生資所 Ins. of Bioinformatics and Systems Biology
計算化學特論 Selected topics in Computational Chemistry	3	生科系 DBSB
智慧型機器學習與電腦輔助藥物設計 Intelligent Machine Learning and Computer-aided Drug Design	3	生資所 Ins. of Bioinformatics and Systems Biology
計算生物學-建模與預測 Computational Biology: Modeling and Prediction	3	生資所 Ins. of Bioinformatics and Systems Biology
總學分 (30 學分) Total Credits (30 credits)	30	