課程名稱：(I) 基因體與系統生物學（4學分） 課程時間：每週二、四 1:20-3:10 PM 上課地點：台大生科館3A

週次	Tuesday (Bio classes)			Thursday (Computation classes)		
1	9/15	Definition, concepts, and scientific challenges	張典顯	9/17	Basic statistics (1)	劉維中
2	9/22	Yeast as a model system for modern scientific inquiries	張典顯	9/24	Basic statistics (2)	劉維中
3	9/29	Introduction to genetics and evolution	丁照棣	10/1	Introduction to R programming (1)	劉維中
4	10/6	DNA sequencing technologies	丁照棣	10/8	Introduction to R programming (2)	劉維中
5	10/13	Chromatin modification and function	高承福	10/15	Bioinformatics databases/tools for systems biology (1)	黃明經
6	10/20	The ENCODE (Encyclopedia of DNA Elements) project	高承福	10/22	Bioinformatics databases/tools for systems biology (2)	黃明經
7	10/27	Genomics and genome project	丁照棣	10/29	Enrichment analysis and applications	黃明經
8	11/3	Gene annotation	丁照棣	11/5	Network analysis and applications	黃明經
9	11/10	**(Midterm week)**		11/12	**(Midterm week)**	
10	11/17	Genetic variation and comparative genomics	丁照棣	11/19	Transcriptomics III :	蔡怡陞
11	11/24	Small non-coding RNAs	詹世鵬	11/26	Transcriptomics V:	蔡怡陞
12	**11/30 (一)**	Transcriptional regulation during development **(4A 教室)**	李士傑	12/3	Introduction to proteomics	阮雪芬
13	12/8	MS-Based Proteomics	陳逸然	12/10	Dynamics in systems (1)	許昭萍
14	12/15	Gel-based proteomics	張英峯	12/17	Dynamics in systems (2)	許昭萍
15	12/22	Sub-proteome	張英峯	12/24	Dynamics in systems (3)	許昭萍
16	12/29	Bioinformatics in Proteomics	陳逸然	12/31	Modeling and simulation (1)	許昭萍
17	1/5	Structural proteomics	徐駿森	1/7	Modeling and simulation (2)	許昭萍
18	1/12	**(Final Exam Week)**		1/14	**(Final Exam Week)**	