

# 植物病毒學實驗

## 97 學年度第二學期

課程進度表(Feb. 18, 2009~Jun.10, 2009)

上課時間：星期三下午 3:30-6:20

上課地點：一號館 308 教室

週次	日期	內 容	教師
1	2/18	分組、報告格式規定、課程內容簡介	洪挺軒
2	2/25	External symptoms of virus-infected plants (I) Mosaic-type symptoms	洪挺軒
3	3/4	External symptoms of virus-infected plants (II) Yellow-type symptoms	洪挺軒
4	3/11	Observation of inclusion bodies and mechanical inoculation (transmission) of mosaic-type plant viruses	洪挺軒
5	3/18	Detection of a plant virus with ELISA	洪挺軒
6	3/25	Detection of a plant virus by the diagnostic strip labeled with the colloidal gold-antibody conjugate	洪挺軒
7	4/1	Infectivity of <i>Tobacco mosaic virus</i>	葉信宏
8	4/8	Virus isolation and purification	葉信宏
9	4/15	期 中 考	
10	4/22	Analysis of virus nucleic acids by gel electrophoresis	葉信宏
11	4/29	Detection of plant virus with dot-blot hybridization (I)	葉信宏
12	5/6	Detection of plant virus with dot-blot hybridization (II)	葉信宏
13	5/13	Detection of a plant virus by PCR	沈湯龍
14	5/20	Detection of a plant virus by RT-PCR	沈湯龍
15	5/27	Determination of the molecular weight of coat protein by SDS- PAGE	沈湯龍
16	6/3	Detection of plant virus by western blotting	沈湯龍
17	6/10	Agro-infiltration (or Observation of virus-infected tissues by immunofluorescent microscopy)	沈湯龍
18	6/17	期 末 考	

總成績＝實驗報告 50%＋期中考 25%＋期末考 25%

Reference:

Dijkstra, J., and de Jager, C. P. 1998. Practical Plant Virology: protocols and exercises. 459 pp. Springer-Verlag. Berlin.

<http://www.ncbi.nlm.nih.gov/ICTV/> ; <http://image.fs.uidaho.edu/vide/refs.htm>