



《尊重智慧財產權，請使用正版教科書，勿非法影印書籍及教材，以免侵犯他人著作權》

開課班級：四熱農三A

授課老師：鄭達智、歐卡爾

學分數：2

#### 課程大綱：

Aquatic animal infectious diseases are steadily increasing resulting in major losses to aquaculture industry. Since the aquaculture is expanding industry to new geographic areas, new microbial and parasitic species with pathogenic potential will continue to emerge. To understand the principles of aquaculture health management, biosecurity and specific issues associated with the system will be discussed in this course. This knowledge will be gained through lectures, group discussion, case studies, written assignment submissions, and student presentations.

#### outline:

Students will be trained on the best practices for health management in aquaculture. They will be provided with the updated knowledge on management issues in the aquaculture including feed, BMP, SPF etc.

#### 教學型態：

課堂教學

#### 成績考核方式：

平時成績:25%  
期中考:25%  
期末考:40%  
其它:%

#### 本科目教學目標：

#### 參考書目：

1. Aquaculture Health Management by Frederick S.B. Kibenge and Mark D. Powell 2. Bacterial diseases of fish (Inglis, Roberts & Bromage)



## 課程進度表：

週次	起訖月日	授課單元(內容)	備註
第1週	9.11~9.18	Aspects of health management in aquaculture	8日正式上課。8~12日課程加退選，轉學(系)生、復學生及延修生選課，雙主修、輔系申請，12日申辦抵免學分截止日
第2週	9.18~9.25	Definition of health and disease- an interactive session	
第3週	9.25~10.02	Fish;disease monitoring, surveillance, epidemiology, quarantine, certification and risk analysis	28日(日)孔子誕辰紀念日/教師節(放假),29日(一)補假
第4週	10.02~10.09	Importance of Epidemiology in aquaculture health management	29日成績優異提前畢業者提出申請截止日
第5週	10.09~10.16	Major_Bacterial_diseases_in_fish	6日(一)中秋節(放假)，10日(五)國慶日(放假)
第6週	10.16~10.23	Major bacterial diseases in fish and prevention method (introductory);	14日學生宿舍安全輔導暨複合式防災疏散演練。18日多益測驗
第7週	10.23~10.30	Role of fish vaccine in preventing bacterial infection _Part 1	24日(五)補假，25日(六)光復暨古寧頭大捷日(放假)。
第8週	10.30~11.06	Role of fish vaccine in preventing bacterial infection _Part 2	30日校課程委員會
第9週	11.06~11.13	Mid-Term Examination	3~9日期中考試
第10週	11.13~11.20	Management measures for host: Biosecurity in aquatic animal health	13日教務會議,16日教師期中成績上網登錄截止日
第11週	11.20~11.27	Biosecurity principles in aquaculture-Role in aquatic animal health	
第12週	11.27~12.04	THERAPEUTIC Drugs Used in aquatic SYSTEM and THEIR influence on FISH	24~28體育運動週。24日校園路跑。27日運動大會夜間開幕，28日運動大會活動，29日101週年校慶活動日，照常上班
第13週	12.04~12.11	Management measures for host: Immunostimulants in aquatic animal health	
第14週	12.11~12.18	Antibiotic resistance and its impact in aquaculture	12日申請停修課程截止日
第15週	12.18~12.25	Role of Probiotics in;Aquatic Animal Health	
第16週	12.25~1.01	Probiotics related to aspects of Aquaculture health management	22日校務會議。25日行憲紀念日(放假)
第17週	1.01~1.08	Improved aquatic animal health management is vital;to aquaculture ' s role in global food security- A group;discussion	1日(四)開國紀念日(放假)
第18週	1.08~1.15	Final Exam	5~11日期末考試，10~11日



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