

## **BIOS6002 Topics in Multivariate Analysis**

**(1.5 credits)**

**Course Coordinator: Prof. Maggie Wang**

### **Course Description**

This course will cover methods importance in the analysis of data collected from questionnaires. Both exploratory and confirmatory factor analysis (under the framework of Structural Equation Models) will be discussed.

### **Learning Outcomes/Objectives**

After taking this course the students will understand the uses of exploratory factor analysis, discriminant analysis and SEM methods including confirmatory factor analysis and path analysis in the exploration and hypothesis testing for data collected from questionnaires.

### **Course Schedule**

Session	Date	Time	Venue
1	May 7, 2018 (Mon)	6:30 – 9:30 pm	School of Public Health Prince of Wales of Hospital Shatin, N.T., Hong Kong
2	May 14, 2018 (Mon)	6:30 – 9:30 pm	
3	May 21, 2018 (Mon)	6:30 – 9:30 pm	
4	May 28, 2018 (Mon)	6:30 – 9:30 pm	
5	Jun 4, 2018 (Mon)	6:30 – 9:30 pm	
6	Jun 11, 2018 (Mon)	6:30 – 9:30 pm	

### **Fee**

Application Fee: \$100

Course Fee: \$6,900