

## **PhD Programme with Thesis**

### **COURSE SYNOPSIS**

#### **FST 6001 Special Topic (3+0)**

The course requires students to retrieve scientific information on selected topics and critically analyse the information in order to strengthen the students' knowledge in the area of food management.

#### **FST 6101 Issues in Food Science (3+0)**

This course discusses issues in food science which include current topics in the field of food chemistry and biochemistry, food safety and microbiology, functional food and health claim, GMO, nutritional labelling, "halal" food and other relevant topics. Latest development on incidences of degenerative diseases and food intake will also be discussed.

#### **FST 6201 Food Safety Issues (3+0)**

This course discusses food safety issues which include topics on emerging foodborne pathogens, risk analysis, predictive microbiology, food biotechnology, GMO, non-thermal processing technologies, food supplement and regulations, nutraceuticals, food labelling and international food safety regulations, and food safety analysis.

#### **FST 6301 Trends in Food Technology (3+0)**

This course discusses trends in food technology which include topics on trends in the local and international food industries, product scanning and value chain analysis, current and emerging food processing technologies, technology and product prioritisation, competency and food technology mapping.

#### **FST 6501 Food Bioingredients (3+0)**

This course discusses food bioingredients which include topics on classes, regulatory status of ingredients in food, functions and applications in food or food processing, current and alternative technologies used to produce food bioingredients, current issues on safety aspects of food bioingredients such as transgenic ingredients, and ingredient labelling.

#### **FST 6903 Seminar (1+0)**

This course involves training, preparation and presentation of project results. Every graduate student is required to prepare and present his/her result at the end of his/her study program.