

# What are my options for

Taught

Research

I would like to learn more about game theory and experience university-style lessons!

I would like to develop a deeper understanding of a broad range of Economics topics!

I would like to work on a research topic with guidance from NUS academic staff!

## **SMU Game Theory Module**

### **MOE H3 Economics**

### **NUS-MOE Humanities and Social Sciences Research (HSSR)**

# O What is it?

The module provides an introduction to game theory, which deals with decisions of conflict and cooperation between equally intelligent individuals. In this context, each party needs to consider the decision that the other will take, before choosing the best course of action. Through the module, you will learn to use various models to analyse different scenarios.

The module is conducted by Associate Professor Massimiliano Landi from the SMU School of Economics.

MOE H3 Economics aims to provide an in-depth understanding of a broad range of topics. It builds on the H2 Economics syllabus content and consists of a taught component spanning three themes: Rationality in Decision-Making; Firms, Strategies and Market Failure; and Globalisation and Economic Performance.

The NUS-MOE HSSR programme is jointly organised by the Faculty of Arts and Social Sciences, NUS, and MOE. It allows you to carry out independent study and research in consultation with NUS academic staff.

Advanced Placement Credits in NUS will be granted after you complete the programme.

### What is the assessment mode?

You will sit for a mid-term test in week 7 and a final examination in week 13. You will also be assessed based on your class participation.

The weightage for the different components is as follows:

- Class Participation: 5% - Mid-term Test : 25%
- Final Examination: 70%

You will sit for the H3 paper during the A-Level examinations in November.

The exam consists of:

- A compulsory case study: 30% (30 marks)
- Two essay questions : 70% (35 marks each)

You will produce a research essay (max. 4,500 words) on a topic proposed by NUS academic staff. Prior to that, your research proposal must be approved by NUS.

### (1) What is the duration of commitment?

The 13-week course will commence in January and end in April of the second academic year. Seminar-style lessons will be held weekly at SMU, and each lesson will last for about 3 hours.

Lessons will be conducted in school for about 4 hours a week. They comprise:

- teacher-guided lessons of about 1 to 2 hours; and
- self-directed independent learning of about 2 to 3 hours.

The programme will start in January of the second academic year and end in mid-October. This might vary across schools, so do check with your Economics tutor for more details.

You will start writing the research proposal in September of the first academic year. The research will commence in January of the second academic year. The research essay will have to be ready for submission to NUS by August of the same year.



Where can I get more information?

An information session will be held at SMU in early October. Do check with your school's H3 coordinator for more details.

MOE H3 Economics Syllabus Document (Syllabus 9809):



**NUS-MOE HSSR website:** 

