Course information 2019-20
MN3119 Strategy

This course is concerned with strategic thinking. It studies situations in which two or more decision-makers interact in a strategic manner. Understanding strategy situations involving conflict and/or cooperation has proved useful in many areas of economics, business, political science, law, and social psychology. This course is an interaction of game theory, economics and strategic management.

Prerequisite
If taken as part of a BSc degree, courses which must be passed before this course may be attempted:

EC1002 Introduction to economics and either MT105a Mathematics 1 or MT1174 Calculus.

Note
Students may find it helpful to have studied course MN2028 Managerial Economics or EC2066 Microeconomics before registering for this course.

Aims and objectives
To enable students to use the analytical tools of game theory and industrial economics to study key strategic problems in corporate decision making.

Assessment
This course is assessed by a three-hour unseen written examination.

Learning outcomes
At the end of this course and having completed the essential reading and activities students should be able to:

☑️ use tools of strategic analysis and game theory to value and analyse strategic options in real life.

In particular, you should be able to:

☑️ anticipate the actions of a rational (that is, individually profit-maximising) rival and act accordingly.

Essential reading
For full details, please refer to the reading list

Cabral, Luis M.B. Introduction to Industrial Organization. (MIT Press)

Either Besanko, D., D. Dranove, M. Shanley and S. Shaefer Economics of Strategy. (Wiley)

Or Saloner, G., A. Shepard and J. Podolny. Strategic Management. (Wiley)


Articles from Economics and Management journals available online to students will complement the textbooks for the majority of chapters in the subject guide.

Students should consult the appropriate EMFSS Programme Regulations, which are reviewed on an annual basis. The Regulations provide information on the availability of a course, where it can be placed on your programme’s structure, and details of co-requisites and prerequisites.
**Syllabus**

This is a description of the material to be examined. On registration, students will receive a detailed subject guide which provides a framework for covering the topics in the syllabus and directions to the essential reading.

- **Basic game theory**: Two-player games. Static and dynamic games and some examples. Equilibrium concepts and solution mechanisms - Nash equilibrium, dominant/dominated strategies, backward induction.


- **Analysis of market structure**: Describing market structure: C4-ratio, Herfindahl index, Lerner index and market power. Market definition – techniques and interpretation.


- **Organisation design**: Organisational fit, Strategy and structure, Functional organisation, Multidivisional structure, Worldwide structure.

- **Competitive Dynamics**: Competitive dynamics, Competitive action, Resource similarity, Market commonality, Awareness, motivation and capability.


- **Value chain analysis and vertical relations**: Double marginalisation and its remedies. Vertical foreclosure. Retailer competition and investment externalities.


- **Entry and entry deterrence**: Structural determinants of entry. Entry barriers and exit barriers. Entry deterrence. Identifying entrants.


All topics are supplemented in the subject guide with specially written case studies.