***GAME THEORY***

MODULE CODE ΟΙ0803

SEMESTER OF STUDY 6 TH / 8TH

ECTS 5,5

FILIPPIADIS ELEFTHERIOS

***Learning Outcomes***

Game theory studies and analyzes cases of interdependent decisions and strategic interactions between decision makers. Its scope is general and it is a very useful analytical tool in social sciences. This course covers in depth important topics in non-cooperative game theory. The objective is to enhance student ability to understand the applications of game theory to economics and economic related fields. Upon successful completion of the module the student will be able to: • identify the main characteristics of a situation of conflict (interdependent decisions of “opponents”) and describe it as a “game.” • analyze a situation of conflict using elements of Game Theory. • propose appropriate equilibrium concepts to different types of games. • recognize the limits of all proposed equilibrium concepts. • apply theoretical results to specific examples in economics and economic related fields.