



Module title					Abbreviation	
Games and Strategies					12-S&W1-F-242-m01	
Module coordinator				Module offered by		
holder of the Chair of Industrial Econor			nics	s Faculty of Management and Economics		
ECTS Method of grading		Only after succ. compl. of module(s)				
5 numerical grade						
Duratio	n	Module level	Other prerequisites			
1 semester		undergraduate				
Contents						
 Static games with complete information Concept of a game Solution concepts and the Nash equilibrium Continuous strategy sets Nash equilibrium in mixed strategies Dynamic games with complete information Subgame perfect Nash equilibrium Repeated games Static games with incomplete information: Bayesian Nash equilibrium Perfect Bayesian Nash equilibrium Signaling games Intended learning outcomes Students which complete this course will be able to (i) explain different equilibrium); (ii) explain for which kind of strategic situation each of these equilibrium concepts were developed; (iii) apply these concepts to simple realistic strategic situations; (iv) choose the appropriate equilibrium concept which fits best to a given strategic situation. 						
Courses (type, number of weekly contact hours, language — if other than German)						
$V(2) + \ddot{U}(2)$						
Module taught In: German and/or English Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)						
written examination (approx. 60 minutes) Language of assessment: German and/or English creditable for bonus						
Allocation of places						
Additional information						
Workload						
150 h						
Teaching cycle						
Teaching cycle: summer semester						
Referred to in LPO I (examination regulations for teaching-degree programmes)						

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Module appears in

Bachelor's degree (1 major) Business Information Systems (2024) Bachelor's degree (1 major) Economathematics (2024) Bachelor's degree (1 major) Business Management and Economics (2024) Bachelor's degree (1 major, 1 minor) Business Management and Economics (Minor, 2024) Bachelor's degree (1 major) Digital Business & Data Science (2024) Bachelor's degree (1 major) Economathematics (2025) Master's degree (1 major) China Business and Economics (2025)

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