


Dynamic Methods and Applications				 universität bonn	
Module Number	Workload 225 h	Credits 7,5 CP	Duration 1 Term	Cycle yearly; summer term	
Responsible Faculty Member	Prof. Sven Rady, Ph.D.				
Institute	Department of Economics				
Degree Program/ Study Field	Title		Character	Study Term	
	Master of Science Economics Study Fields: Financial Economics/ Macroeconomics and Public Economics/ Management and Applied Microeconomics/ Microeconomic Theory		Advanced Module	2nd or 4th	
Learning Outcomes	Students get acquainted with one of the most important techniques for forward-looking decision making, the method of dynamic programming, and with its manifold applications in economics.				
Key Skills					
Learning Content	The course introduces the dynamic programming approach in discrete time, covering its mathematical underpinnings as well as applications to problems in microeconomics, macroeconomics and finance.				
Prerequisites for attending	Knowledge of the contents of the module "Mathematics for Economists" is recommended.				
Course Type	Lecture, Seminar, etc.		Contact time	Workload [h]	
	lecture and tutorial		4 hrs per week	(c) 60 (s) 165	
Examination(s)	Type of Examination		Grades		
	written or oral exam		yes		
Special Course Achievements					
Other					

(c) contact time per term / (s) self study per term

April 2015