


<b>Dynamic Methods and Applications</b>		 <b>UNIVERSITÄT BONN</b>			
332121011/MA ECON AM FIE DYNAMAPP					
<b>Content and learning outcomes</b>					
<b>Content</b>	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.				
<b>Learning outcomes</b>	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.				
<b>Teaching and learning methods</b>					
<b>Type of course/learning methods</b>	<b>Topic</b>	<b>Language of instruction</b>	<b>Group size</b>	<b>Contact time</b>	<b>Workload [h]</b>
Lecture	Dynamic Methods and Applications	English	open	4 hours	60
Self-study					165
<b>Prerequisites</b>					
<b>obligatory</b>	none				
<b>recommended</b>	Knowledge of the contents of the module "Mathematics for Economists"				
<b>Degree program allocation</b>					
<b>Study Program</b>			<b>obligatory/ elective</b>	<b>Semester</b>	
Master of Science Economics Study Field: Financial Economics, Macroeconomics and Public Economics, Management and Applied Microeconomics, Microeconomic Theory, Economic Research			elective	2nd	
Master of Science Mathematics			elective	2nd	
<b>Requirements for the awarding of credit points (ECTS)</b>					<b>Credits</b>
<b>Prerequisites for participation</b>	none				7,5 CP
<b>Types of Assessment (graded, incl. weighting factor)</b> <b>Examination language</b>	Written or oral exam or term paper (graded, 100%) - English				
<b>Course Cycle</b>		<b>Workload</b>		<b>Duration</b>	
Winter term <input type="checkbox"/>	Summer term <input checked="" type="checkbox"/>	Winter and Summer term <input type="checkbox"/>	<b>225 h</b>	<b>1 Term</b>	
<b>Module coordination</b>					
<b>Teaching person</b>	See <a href="https://basis.uni-bonn.de">https://basis.uni-bonn.de</a>				
<b>Module coordinator</b>	Prof. Dr. Hendrik Hakenes				
<b>Institute/Department</b>	Department of Economics				
<b>Further Information</b>					
<b>(Reading lists, information links etc.)</b>	The recommended literature will be announced at the beginning of the course.				