


<b>Probability Theory</b>				 universität <b>bonn</b>	
<b>Module Number</b> 332125032	<b>Workload</b> 225 h	<b>Credits</b> 7,5 CP	<b>Duration</b> 1 Term	<b>Cycle</b> yearly; summer term	
<b>Responsible Faculty Member</b>	Prof. Dr. Lorens Imhof				
<b>Institute</b>	Department of Economics				
<b>Study Program</b>	<b>Title</b>			<b>Character</b>	<b>Study Term</b>
	Master of Science Economics			Advanced Module	2nd
<b>Learning Outcomes</b>	The aim of the course is to acquaint students with modern concepts and tools of probability. Students obtain a rigorous basis for understanding and applying current research in statistics and applied probability theory.				
<b>Key Skills</b>					
<b>Learning Content</b>	This course provides an introduction to the mathematical theory of probability. The course covers integration, probability measures, random variables, expectations, various concepts of convergence and limit theorems.				
<b>Prerequisites for attending</b>					
<b>Course Type</b>	<b>Lecture, Seminar, etc.</b>			<b>Contact time</b>	<b>Workload [h]</b>
	lecture and tutorial			4 hrs per week	(c) 60 (s) 165
<b>Examination(s)</b>	<b>Type of Examination</b>			<b>Grades</b>	
	written or oral exam			yes	
<b>Special Course Achievements</b>					
<b>Other</b>					

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

January 2012