

# BWL-Spezialisierung: „Finance C and D”

Professur: Prof. Dr. Marc Oliver Rieger

<b>Name of module: Finance C</b>					
<i>Specialization: Finance, Accounting, Taxation</i>					
<b>Code</b>	<b>Workload</b>	<b>Credits</b>	<b>Term</b>	<b>Frequency</b>	<b>Duration</b>
	300 hrs	10	first term	each winter term	one term
<b>1</b>	<b>Classes</b>	<b>Contact hours</b>		<b>Self study</b>	<b>Expected size of cohort</b>
	a) seminar	2 SWS / 30 hrs		120 hrs	60 students
	b) tutorial	2-4 SWS / 30-60 hrs		90-120 hrs	60 students
<b>2</b>	<p><b>Learning Outcomes / Competencies</b></p> <p>Students understand the theoretical foundations of selected financial products, for instance financial derivatives. They can derive mathematical models that describe their properties, e.g. their market prices. They are able to apply these models and their general knowledge on these financial products to real-life problems, in particular to typical applications in finance departments of firms and to applications in banks and other financial companies. They can select appropriate financial products and compute their correct application in situations that involve hedging financial risks as well as for investment decisions. They can critically reflect and judge on the appropriate use of financial products in a variety of situations and know limitations of underlying models.</p> <p>Students will be able to apply models and model-based concepts to practical applications by way of transferring concepts and solution techniques. By analyzing decision problems and presenting solutions in English, students will improve their communication skills.</p>				
<b>3</b>	<p><b>Contents</b></p> <p>a) seminar</p> <p>The seminar focuses on particular elements of the large field of financial products, their theoretical and mathematical foundations and their application on financial markets. These financial products may include, but are not limited to, financial derivatives (like options, futures, swaps or structured products), fixed-interest assets, stocks or insurances.</p> <p>Financial markets are highly innovative. Therefore new financial products are steadily under development and might become important within a short time period. Therefore it is not surprising that research in this area is as well a fast developing field and this seminar might also cover current topics of interest either from an academic or from a market perspective.</p> <p>b) tutorial</p> <p>This part of the course presents quantitative methods necessary to understand and apply the various models and concepts. In addition, practical applications as well as current academic research can be discussed in the tutorial.</p>				

<b>4</b>	<b>Teaching Methods</b> a) seminar, possibly with case studies, tutorial questions and/or guest speakers b) tutorial with exercises, cases, seminar presentations, coursework and/or group work elements
<b>5</b>	<b>Prerequisites</b> <b>formal prerequisites:</b> none <b>prior courses to be completed:</b> none
<b>6</b>	<b>Forms of examination</b> Written exam (90 min) <i>or</i> coursework and ungraded prerequisite.
<b>7</b>	<b>Granting of credit points</b> passing the written examination or coursework, further requirement: possibly successful participation in part b) of the course
<b>8</b>	<b>Use of module</b> (in other degree schemes) Export from Business Administration to MSc degree schemes in Mathematics, Mathematics and Business, Sociology, Economics, Media Sciences, Political Sciences and Psychology.
<b>9</b>	<b>Weight in overall mark</b> 10/120
<b>10</b>	<b>Module representative and other lecturers</b> Prof. Dr. Marc Oliver Rieger and research assistants; possibly honorary professors, external lecturers and guest speakers
<b>11</b>	<b>Further information</b> The module is usually taught and examined in English.

**Name of module: Finance D**

*BWL-Spezialisierung: Finance, Accounting, Taxation*

<b>Code</b>	<b>Workload</b>	<b>Credits</b>	<b>Term</b>	<b>Frequency</b>	<b>Duration</b>
	300 hrs	10	second term	each summer term	one term
<b>1</b>	<b>Classes</b>	<b>Contact hours</b>	<b>Self study</b>	<b>Expected size of cohort</b>	
	a) seminar	2 SWS / 30 hrs	120 hrs	60 students	
	b) tutorial	2-4 SWS / 30-60 hrs	90-120 hrs	60 students	
<b>2</b>	<b>Learning Outcomes / Competencies</b>				
	<p>Students understand how deviations of human behavior from rational norms influence outcomes on financial markets. They are familiar with a number of classical decision biases from the behavioral economics and behavioral psychology literature and know how they can be applied to understand certain phenomena in financial decision-making. They know classical observations on financial markets that are difficult to reconcile without allowing for behavioral biases of some of the market participants and know some of the behavioral models that aim to explain these observations. They can apply certain empirical methods that are frequently used in behavioral finance to such problems.</p> <p>Students will be able to apply models and model-based concepts to practical applications by way of transferring concepts and solution techniques. By analyzing decision problems and presenting solutions in English, students will improve their communication skills. By their seminar presentation they will acquire additional skills in collecting, preparing and presenting scientific content.</p>				
<b>3</b>	<b>Contents</b>				
	<p>a) seminar</p> <p>The seminar focuses on the interaction of individual decision-making and financial markets. First, a thorough introduction into current mathematical models for rational and behavioral decision-making is given, with emphasis on behavioral biases as they are known from behavioral economics and behavioral psychology. Classical market anomalies and/or behavioral biases are introduced and links to the aforementioned behavioral models are discussed. Alternatively or additionally, the connection between individual decision-making and market behavior is discussed using aggregation results and/or results from evolutionary finance.</p> <p>Since the interaction between individual decision-making and financial markets is a very vivid research area, other recent research in this field can also be the topic of this seminar. Similarly, since this interaction also has a variety of practical applications, it is also possible to discuss such applications in this seminar.</p> <p>b) tutorial</p> <p>This part of the course can exercise empirical methods necessary to understand and apply the various models and concepts. In addition, practical applications as well as current academic research can be discussed in the tutorial.</p>				
<b>4</b>	<b>Teaching Methods</b>				
	<p>a) seminar, possibly with case studies and/or guest speakers</p> <p>b) tutorial with exercises, cases, coursework and/or group work elements</p>				

<b>5</b>	<b>Prerequisites</b> formal prerequisites: none prior courses to be completed: none
<b>6</b>	<b>Forms of examination</b> Written exam (90 min) <i>or</i> coursework and ungraded prerequisite.
<b>7</b>	<b>Granting of credit points</b> passing the written examination or coursework, further requirement: possibly successful participation in one or both parts of the course
<b>8</b>	<b>Use of module</b> (in other degree schemes) Export from Business Administration to MSc degree schemes in Mathematics, Mathematics and Business, Sociology, Economics, Media Sciences, Political Sciences and Psychology.
<b>9</b>	<b>Weight in overall mark</b> 10/120
<b>10</b>	<b>Module representative and other lecturers</b> Prof. Dr. Marc Oliver Rieger and research assistants; possibly honorary professors, external lecturers and guest speakers
<b>11</b>	<b>Further information</b> The module is normally taught and examined in English.