

**1st Major Course: Logistics****Corporate Logistics**

<b>Number</b> IBW 4.1.5	<b>Workload</b> 150 hrs	<b>Credits</b> 5 ECTS	<b>Semester</b> 4th	<b>When offered</b> Winter/summer semesters	<b>Duration</b> 1 semester
<b>1</b>	<b>Coursework (hrs/week)</b> a) Seminars: 3 b) Exercises: 1	<b>Contact hours</b> 4 hrs/week = 72 hrs		<b>Self-study</b> 78 hrs	<b>Language</b> German/English
<b>2</b>	<b>Learning outcomes</b> Students will acquire the requisite skills to be able to analyze problems that arise within internal logistics and depict them using a model. They will be able to employ suitable quantitative methods to accurately resolve corporate logistics issues and apply proper approaches to internal logistics operating procedures. Students will also be able to explain and correctly utilize pull-based planning and control procedures.				
<b>3</b>	<b>Course content</b> <ul style="list-style-type: none"> <li>– More in-depth study of the methods and activities involved in the internationally oriented logistics of procurement, production, distribution and disposal</li> <li>– How the various logistics functions relate in terms of content and methodology</li> <li>– Organizing and coordinating corporate logistics in an international context</li> <li>– The role of information technology in corporate logistics</li> <li>– Logistics in industrial and trading companies, and the logistics of logistics service providers</li> <li>– The use of business methods and models to plan and organize corporate logistics in a global context (e.g. forecasting; capacity and production planning; material requirements planning; sequencing; periodic, continuous and single-period inventory management; statistical quality controls; introduction to the queuing theory; and simple lot-sizing models, such as those of Silver-Meal, Groff and Dixon-Silver)</li> </ul>				
<b>4</b>	<b>Teaching methods</b> Interactive seminar-like instruction, exercises, presentations, working in groups, and case studies				
<b>5</b>	<b>Course prerequisites</b> Formal: None Recommended: Module IBW 3.6 (Logistics)				
<b>6</b>	<b>Type of examination</b> Written				
<b>7</b>	<b>Requirements for the award of credit hours</b> Passing grade on module examination				
<b>8</b>	<b>Course share of final grade: 5 / 175 (= 2.86%)</b>				