

MW90: Digital Financial Reporting (starting WS 2019/20)				Study Program:	M
Module Type:	ECTS Points:	Workload:	Semester:	Module Duration:	
Elective	8	240	1. or 3.	One semester	
Courses (HPW=hours per week):			Contact hours:	Independent study:	Planned Group Size:
Seminar 1: Digital Financial Reporting – Foundations (2 HPW)			30h	90h	30
Seminar 2: Digital Financial Reporting & Finance Processes – Insights from Practice (2 HPW)			30h	90h	30
Intended Learning Outcomes (ILOs):					
<p>After having completed the module, students will be able to</p> <ul style="list-style-type: none"> - describe the regulatory and organizational framework of Digital Financial Reporting through Accounting & Tax Information Systems, - identify critical aspects in the accounting process and show approaches for the solution (e.g. Internal Control System), - assess organizational forms with regard to different risk factors (e.g. accounting principles, data protection, cyber security), - model, describe and interpret accounting-related processes and data structures for the collection, processing and output of relevant content, - differentiate IT tools for the preparation of financial statements and the mapping of financial reporting processes, recognize their importance, and gather first insights into their practical application, - name critical intersections between IT and (group) accounting as well as identify reconciliation needs between the two areas. 					
Key Competencies:					
<ul style="list-style-type: none"> - Organizational skills, especially independent scientific working, - problem-solving abilities, - critical and analytical thinking, - ability to transfer existing knowledge, - ability to acquire new knowledge, - discussion and reflection skills, - decision-making skills, and - communication skills (orally and in writing) with lecturers and fellow students. 					
Contents:					
<p>Seminar 1: Digital Financial Reporting – Foundations</p> <ol style="list-style-type: none"> 1. Digital Transformation in Accounting, Auditing & Tax 2. IT-Management 3. Process Modelling 4. Legal requirements for Accounting and Tax Information Systems and IT-Compliance 5. IT-Governance, -Frameworks & -Security 6. (Big) Data Structures, XBRL and Blockchain 					

7. Data Analysis with Financial Data
8. Artificial Intelligence and Machine Learning
9. Auditing IT-Systems and Audit with IT-Systems and Data Analysis

Seminar 2: Digital Financial Reporting & Finance Processes – Insights from Practice

1. Financial Process Harmonisation and Standardisation
2. From Shared Service Center to the Digital Financial Service Center
3. Real-time Data Analytics on the SAP Cloud Platform and the Digital Boardroom
4. Harmonisation of Management Books and External Reporting: Universal Ledger and In-Memory Database Technologies
5. Fast Close Processes – Robots and Machine Learning supporting the Financial Statement Preparation Process
6. Early Notes Process – Sequential and automated Preparation of Financial Statements and Notes through Document Sharing
7. Integrated Reporting and the Reporting of Non-Financials
8. Processual and IT Challenges when Implementing a New Accounting Standard
9. ERP Systems in Practice: A Simulation of SAP S/4 HANA

Language:

The language of the module is German. For required readings in English, sufficient language skills are a prerequisite.

Teaching Methods:

Lectures, problem-centered learning, group work, student presentations, self-study.

Module Applicability:

M.Sc. of Business Administration; M.Sc. of Economics; M.Sc. of Business Chemistry.

Pre-requisites/Requirements:

Admission to study Business Administration, Economics or Business Chemistry for a Master's degree. Basic knowledge of bookkeeping as well as national and international accounting standards is recommended, as taught in the Bachelor's degree program in business administration. Alternatively, MW113 "FACT Foundations" represents a suitable preparation. Students who have already completed MW53 may not register for module MW90.

Examination Types:

Comprehensive examinations (normally a combination of graded individual and group work, e.g., short papers, oral participation, and active participation in the plenary discussions). For the final grade, both seminars marks have equal weight.

Requirements for Award of Credit Points:

The module will be passed if students have participated in at least 80 % of the classes in each seminar and if the final grade of both seminars is at least „sufficient“ (4,0).

Availability:

Seminar 1 + 2: Winter Semester.

Assessment:

This module will be graded and is part of the calculation for the overall grade of your master degree. Particular information concerning the calculation of the overall grade can be gathered in the respective examination regulations.

Person Responsible and Main Lecturer:

Professor Dr. Barbara E. Weißenberger, honorary professors, lecturers and teaching/research assistants at the Chair of Management Control and Accounting; Dr. Marcus Bravidor, Junior Professor for Auditing.

Further Information:

Further information can be found at www.wirtschaftspruefung.hhu.de, and www.controlling.hhu.de. See also in ILIAS ([eCampus Controlling an Accounting](#)) and HIS-LSF. Students have to apply for this module via e-mail.

Module Organizational Unit

W_Betriebswirtschaftslehre_MSc

Stand: 14.09.2021