

Course number 28.1	Course title Digital Finance		
Code DFI	Semester 6/7	Number of WSH 4	Module offered Every academic year (Summer Semester)
Lecturers Prof. Dr. Hößl Prof. Dr. Süzeroglu-Melchioris	Tuition type Seminar-style tuition with exercises		Compulsory/Elective Compulsory

Learning outcomes

The qualification goals mentioned below are subdivided into three dimensions. Each dimension corresponds to a target competence level. The following competence levels have been defined:

- Competence level 1 (awareness): cursory awareness of simple structures, only previously learned knowledge is tested
- Competence level 2 (comprehension): basic understanding of multiple structures up to deeper understanding of the relations between structures, learned knowledge is analysed, combined and applied
- Competence level 3 (deep understanding and application): deeper understanding of the relations between structures up to independent transfer and extension of knowledge to new structures, learned knowledge is critically questioned and/or evaluated, interrelations between structures and their consequences are reflected and explained

The competence level of the respective qualification goal is represented by the corresponding number (1, 2 or 3) in the competence descriptions below.

On completing the module the students will have achieved the following learning outcomes on the basis of scientific methods:

Subject skills

Students know the role of financial intermediaries (2). They understand the various factors that lead to structural change in the financial services industry and can assess their influence (2). Students know the characteristics of new competitors (e.g. FinTechs, TechFins, BigTechs) in these markets, their differences, and their competitive advantages and strategies (2). Students know the innovations and changes in selected segments caused by these new competitors and new solutions (2), e.g. due to new channels, higher usability, personalization and blockchain technology, and are able to assess customer benefits (3). They know the competitive strategy options of existing companies as well as new market participants (2) and can assess their advantages and disadvantages (3). Students know conventional and innovative financing instruments and can assess their advantages and disadvantages for digital start-ups (2). They are familiar with valuation methods for such companies and can apply them (2). Students are familiar with new forms of corporate and private equity investments (2) and can assess their advantages and disadvantages (3).

Method skills

Students are able to identify (2) the causes of structural changes and innovations in markets, to assess (2) their impact and can translate their proposed solutions into business practice (3). They are capable of analysing investment decisions on the basis of scientific approaches and methods (2), interpreting innovation, carrying out company valuations professionally with focus on stakeholder value and assessing the results (3).

Social skills

Students acquire the ability to develop, analyse and critically appraise alternative courses of action through group work, case studies and discussion sessions (2). They benefit from debating and

reasoning skills, are able to work in a team and can present and defend results in front of an audience (2).

Personal skills

Students are able to contribute theoretically sound and practicable ideas for resolving financial problems to the corporate decision-making process, and to critically discuss them (2). They are aware of the financial consequences of their decisions and are able to incorporate them into their own value system (2).

Content

- Role of financial intermediaries and structural changes in financial services industry, as well as factors impacting change
- Types of digital companies and their competitive approaches in selected segments
- Financial innovations and digital companies, and their impact on financial segments
- Digital startup financing and valuation, Crowdfunding, Crowdfunding as financing instruments
- New forms of corporate and private equity investments, innovation and SRI investments

Literature

Required reading

Alt, R. / Puschmann, T. : Digitalisierung der Finanzindustrie

Cornwall, J.R. / Vang, D.O. / Harmann, J.M.: Entrepreneurial financial management: An applied approach.

Dorfleitner, G. / Hornuf, L. / Schmitt, M. / Weber, M.: FinTech in Germany

Scardovi, C.: Digital Transformation in Financial Services

Tanda, A. / Schena, C.-M.: FinTech, BigTech and Banks

Tiberius, V. A.; Rasche, C.: FinTechs

Wirz, B. W.: Digital Business Models

Recommended reading

Brühl, V. / Dorschel, J.: Praxishandbuch Digital Banking

Lynn, T / Mooney, J.G. / Rosati, P. / Cummins, M.: Disrupting Finance

Wilson, J. D.: Creating strategic value through financial technology

Latest edition

Teaching and learning methods

Seminar-style tuition with exercises

Student work within the e-learning framework of OTH Regensburg

Group exercises, small-scale case studies

Autonomous exercises with correction aids

Use of online tools for comprehension checks

Expert Presentations

Seminar-style tuition with exercises on the computer in small groups

Presentation by lecturer using PowerPoint or slides; course materials will be provided

Type of examination/Requirements for the award of credit points

Written examination

	Duration: 90 minutes	
Other information	Excel exercises and case studies will be integrated into the course. Students can participate in a stock market game	
ECTS Credits 5	Workload 150 hours Contact/attendance time: 60 h Additional work: 90 h	Course language English