

Master in Life Sciences

A cooperation between
BFH, FHNW, HES-SO, ZHAW

Module title	Business Administration for Life Sciences
Code	B1
Degree Programme	Master of Science in Life Sciences
Workload	3 ECTS (90 student working hours) <ul style="list-style-type: none"> - Asynchronous and synchronous distance learning, central & local teaching: 53.5 h - Self-study: 36.5 h (approx. 4 h self-study before module starts)
Module Coordinator	Name: Wendy Karli Phone: +41 31 910 29 41 Email: wendy.karli@bfh.ch Address: Bern University of Applied Sciences, HAFL, Länggasse 85, 3052 Zollikofen
Lecturers	<ul style="list-style-type: none"> • Wendy Karli, BFH • Lorenz Probst, BFH • Gisela Murer, BFH
Entry requirements	Pre-course assignments will be uploaded on Moodle. Preparation for the module is mandatory.
Learning outcomes and competences	After completing the module, students will be able to: <ul style="list-style-type: none"> • define the role of enterprises and forms of organization • define SMART objectives to manage / control a (business) entity • understand the functions in enterprises and its organisation • evaluate the enterprise's environment and its impact on the enterprise • describe the basics of financial and cost accounting, "read" and interpret the three financial statements presented in a regular annual report, differentiate overhead from direct costs and take basic decisions based on break-even analyses • understand the concept of Business Modell Canvas to shape an own basic business model • compare and evaluate possible financing instruments
Module contents	<ul style="list-style-type: none"> • The enterprise and the meaning of business models <ul style="list-style-type: none"> - The St. Gallen Management Model: - Three levels of management - Founding an enterprise and legal structures in Switzerland • The enterprise's environment (outside view): e.g. impact of trends, methodology for analysis (e.g. SWOT-Analysis) • Analysis of an enterprise's strengths and weaknesses (inside view) incl. respective methodologies • Markets <ul style="list-style-type: none"> - What is a market? Basics on demand and supply - The role, position and possible influence of an enterprise within defined markets (Porters 5 Forces Analysis / Competitors analysis) - Value chain • The company's objectives and strategy <ul style="list-style-type: none"> - Introduction to strategy

	<ul style="list-style-type: none"> • Marketing <ul style="list-style-type: none"> - Definition of the relevant market(s) / segment(s) - the 4P model (product, price, place, promotion) according to McCarthy • Production process, outsourcing and quality <ul style="list-style-type: none"> - Make or buy vs. outsourcing - Quality as a concept of thinking - Different concepts of quality assurance / continuous improvement process, Process optimization • Organization <ul style="list-style-type: none"> - Process organization vs. structural organization - Different processes: management vs. core vs. support processes • Sourcing <ul style="list-style-type: none"> - Supply Chain Management • Basics in financial accounting <ul style="list-style-type: none"> - Reading and understanding a corporate balance sheet / income statement • Basics in cost accounting <ul style="list-style-type: none"> - Differentiation of direct vs. overhead cost - Break-even analysis
Teaching / learning methods	<p>Central teaching: Taught content is grouped along the St. Gallen Business Model. Methods employed: Pre-reading assignments, didactic teaching, group assignments, case studies, discussion, family tables. An (existing) company serves as transfer model.</p> <p>Local teaching (single or group assignments): Application & transfer of learned analysis and decision-making tools from the Central Teaching (e.g. PESTEL-Analysis, SWOT etc.) for a specific company – teaching of application of content / methodology</p>
Assessment of learning outcome	100%, online final exam with Safe Exam Browser, written (English), closed book with a self-written summary of 1 A4 page printed on both sides or 2 A4 pages printed on one side, calculator (without module-relevant information in memory)
Format	7 weeks
Timing of the module	For ZHAW and FHNW: Spring semester, CW 8 – 14 For BFH and HES-SO: Autumn semester, CW 38 – 44
Venue	Central Teaching: Online Local Teaching: at respective school
Bibliography	<p>Mandatory: Steingruber P, Capaul R, 2013. Business Studies - An introduction to the St. Gallen ManagementModel (2nd edition). Cornelsen Verlag, Berlin. Chapters are the same for ebook (4th edition) and hard copy (2nd edition) version. There are no significant differences between the 2nd and 4th edition.</p> <p>Advised: Dyson J, 2017. Accounting for Non-Accounting Students 9th edition).</p>
Language	English



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Links to other modules	The introductory lectures of B1 will be required in B2.
Comments	Pre-reading assignments / preparation is mandatory and required for class. Contents treated during local teaching will be included in the exam.
Last Update	03.04.2025