

General Information on Campus Alps 2027

name of the course	International modular short-term programme Campus Alps Students select one seminar from each of the two academic tracks. Each selected seminar is worth 4 ECTS. Successful completion of two seminars results in 8 ECTS.								
teacher	The participating teachers are going to vary. In winter semester 26/27 the programme comprises four seminars taught by five lecturers. Track1: • 1A Business Simulation • 1B Design Thinking for Sustainable Innovation Track 2: • 2A Climate Change and Sustainability • 2B Ski Engineering								
language	English at least B2 level								
hours per week	3SWS: Each seminar is awarded 4 ECTS in a hybrid form: Online individual and/or cooperative preparation, block format on campus including 4 compulsory block days within 2.5 weeks; individual and/or cooperative follow up online								
time required contact hours private study	Generally, 100 hours are required in each seminar. They are similar in the outline, in each seminar approximately <table> <tr> <td>Contact hours</td> <td>40</td> </tr> <tr> <td>self-study</td> <td>55</td> </tr> <tr> <td>Online hours</td> <td>05</td> </tr> <tr> <td>Total</td> <td>100h</td> </tr> </table>	Contact hours	40	self-study	55	Online hours	05	Total	100h
Contact hours	40								
self-study	55								
Online hours	05								
Total	100h								
max. participants	Maximum 50 participants. For winter semester 2026/27: 20 places for students of Hochschule Kempten and 30 places for students from international partner universities.								
description of the course									
learning objectives	Upon completing this module, students will be able to... • apply subject-specific knowledge and methods acquired in their selected seminars; • collaborate effectively in international and interdisciplinary teams;								

	- analyse challenges from different cultural and disciplinary perspectives; - develop and present solutions to practical and/or academic challenges; - reflect on their own intercultural learning experiences; - demonstrate increased awareness of regional, social and cultural contexts in the Allgäu region; - engage respectfully with diverse perspectives and demonstrate openness to dialogue, participation and democratic values.
teaching content	The programme comprises four seminars organised in two academic tracks. Students select one seminar from each track, in WS 26/27: Track 1 1A Business Simulation 1B Design Thinking for Sustainable Innovation Track 2 2A Climate Change and Sustainability 2B Ski Engineering In addition to the subject-specific content, the programme includes interdisciplinary and intercultural project work, regional learning activities and practical learning experiences related to the Allgäu region.
reading list	Described in specific seminar outlines.
assessment arrangements	
type of examination	Assessment methods vary according to the selected seminar and are specified in the respective seminar outlines. Depending on the seminar, assessment may include portfolio work, written assignments, presentations or other appropriate forms of assessment. The total grade of the module will be calculated based on the ECTS of the two tracks.
Examination period	Assessment takes place during or immediately after the respective seminar. Detailed arrangements are specified in the individual seminar outlines.
approved aids	Detailed specification in the individual seminar outlines.

general information	
name of the course	1A Business Management Simulation
teacher	Prof. Dr. Göbl
language	English
hours per week	3 SWS / 4 ECTS
time required	Contact hours 40 h Private study 52 h Online hours 08 Total 100 h
frequency	Annual basis, currently in summer / winter semester
max. participants	Maximum 32 participants
description of the course	
learning objectives	On completion of this module, the students should be able to: Knowledge and understanding: - Understand the rules for business management and get to know the relationships and conflicts between the interests of the various departments within a company - Repeat the content of all seminars during the study and the specific business vocabulary within the financial reports Use and application of knowledge: - create and analyse the three main financial accounting statements – the balance sheet, profit and loss account and cash flow statement - implement a business strategy and control its implementation by adopting good and sustainable performance management - use cost and financial information in order to analyse the performance of a business - plan and control the activities of a business Personal development, ethical behaviour and professionalism: - Ability to present company data (financial figures, strategy, competitive advantages) - Evaluate financial statements from an ethical perspective
teaching content	The goal of the course is to provide students an introductory understanding of the meaning and uses of information generated by internal cost accounting as well as external financial reporting. Students will gain a deeper knowledge of the importance of implementing a clear strategic management approach. This course is intended to enable participants to make use of cost and financial information in order to analyse the performance of a business and to comment on how this might be improved, and to plan and control the activities of a business. Students take over the responsibility for a company and have to make it succeed in a competitive and dynamic environment.

	Therefore, they have to make all decisions in all basic areas of Business Administration such as HR, Marketing, R&D, Production, Sales, Purchasing, Inventory management, Finance and Accounting. As key aspects the following subjects will be addressed: - strategic management - a company as a cross-linked system - financial reporting - management accounting and financial controlling
reading list	Compulsory reading: - Collier: Accounting for Managers, newest Ed. - Participants Manual, TATA Interactive Systems GmbH, General Management, V15.1 - Provided simulation manuals Recommended additional literature: - Black: Introduction to Accounting and Finance - Bhimani / Horngren / Datar / Foster: Management and Cost Accounting - Horngren / Datar / Foster / Rajan / Ittner: Cost Accounting - Krause / Arora: Key Performance Indicators - Mc Laney / Atrill: Accounting and Finance
assessment arrangements	
type of examination	Portfolio exam consisting of: - Introduction Test - Business plan - Agreement on objectives - Shareholder Meeting - Performance in Simulation - Additional tasks
examination period	During and at the end of the seminar
approved aids	None, except participants manual

general information	
name of the course	1B Design Thinking for Sustainable Innovation (Alpine Impact Lab)
teacher	Prof. Dr. Gabriele Schäfer
language	English
hours per week	3 SWS / 4 ECTS
time required	Contact hours 40 h (4 block days with 10 teaching units each) Self-study 52 h Online hours 08 h Total 100 h
frequency	Annual basis, in the winter semester
max. participants	Maximum 32 participants in eight interdisciplinary teams of four
description of the course	
learning objectives	On completion of this module, the students should be able to: Knowledge and understanding: • explain the phases of the design thinking process and the lean startup concepts of hypothesis, minimum viable product and validated learning • distinguish the methods of user research (persona, empathy map, user journey) from those of idea generation (Crazy 8s, brainwriting) Use and application of knowledge: • frame a problem from interviews and field observations and derive requirements for a solution • represent a solution as a prototype, from a hand drawing to a click dummy, and revise it after testing it with users • formulate a business model canvas, test its central hypotheses with real users and pitch the concept to a jury Personal development, ethical behaviour and professionalism: • organise the work in an interdisciplinary, international team of four and revise the concept after feedback • justify design decisions against sustainability criteria and the SDGs
teaching content	The seminar combines design thinking with lean startup and applies both methods to innovation challenges of alpine and rural regions. It is open to students of all disciplines: neither technical prior knowledge nor programming skills are required, because all methods are introduced from scratch and the teams are mixed by subject and country. Each team works on one of four challenge tracks or, after agreement with the lecturer, on a topic of its own: Track A – Alpine Energy (energy autonomy, decentralised systems, storage), Track B – Smart Rural Infrastructure (digitalisation of rural areas, IoT for pasture and forestry, telemedicine), Track C – Circular Mountain Economy (regional value chains, timber construction, residual materials), Track D – Climate Resilience (hazard monitoring, early warning, water management). A prototype here is any representation that makes an idea testable with users: a hand drawing, a paper model, a storyboard, a service description or a click dummy. Nothing has to be built or programmed, provided that users can react to the idea. The four block days follow the innovation process: problem framing on day one, idea generation and business model canvas on day two, prototyping and testing with users on day three, iteration and

	elaboration of the concept on day four. The pitch is presented on the joint final day of the programme; the written final report is submitted after the programme by a deadline announced separately.
reading list	Compulsory reading: • Lewrick / Link / Leifer: The Design Thinking Toolbox, newest ed. • Ries: The Lean Startup, newest ed. • Course material on the Elearning platform Recommended additional literature: • Brown: Change by Design; Osterwalder/Pigneur: Business Model Generation
assessment arrangements	
type of examination	Portfolio exam consisting of: • Pitch presentation (30 %) • Written documentation of the innovation process (40 %) • Prototype and its documentation (20 %) • Active participation and team work (10 %)
Examination period	During and at the end of the seminar
approved aids	Drawing and prototyping material provided; all sources permitted if cited

general information	
name of the course	2A Climate Change and Sustainability
teacher	Prof. Dr. Thomas Eimüller
language	English
hours per week	SWS / 4 ECTS
time required: contact hours private study online hours	Contact hours: 32 h Private study: 60 h Online hours: 8 h Total: 100 h
frequency	Annual, in the winter semester
max. participants	Maximum 32 participants
description of the course	
learning objectives	Upon completing this module, students will be able to... 1) Knowledge and understanding: ... know the scientific principles underlying climate change and understand the major human contributions. ... know most important impacts of climate change on different earth systems. ... identify the main approaches to mitigation and adaptation. ... recognize the concept of sustainability and its relevance to addressing global environmental and social challenges. 2) Using and applying knowledge: ... apply scientific knowledge to assess climate change-related risks and vulnerabilities. ... utilize data and models to analyse climate change trends and projections. ... develop and implement strategies for reducing greenhouse gas emissions and enhancing climate resilience. ... identify opportunities for sustainable practices in various sectors, including energy, housing, transportation, and agriculture. 3) Scientific self-conception: ... identify the interdisciplinary nature of climate change, biodiversity loss, and social equity. ... recognize the role of scientific inquiry in understanding climate change phenomena. ... appreciate the importance of evidence-based decision-making in addressing environmental challenges. 4) Personal development, ethical behaviour and professionalism: ... evaluate scientific data on climate change and sustainability. ... demonstrate expertise in the critical appraisal of multiple viewpoints and positions. ... reflect on personal values and beliefs related to environmental stewardship and sustainability ... demonstrate ethical behaviour in decision-making processes regarding environmental issues
teaching content	☐ Historical perspectives on climate change and sustainability ☐ Planetary boundaries

	□ Causes of climate change: natural and anthropogenic greenhouse effect, feedback mechanisms □ Evidence for climate change: heat waves, drought, rising sea levels, melting ice caps, weather extremes □ Impacts of climate change on different earth systems: atmosphere, cryosphere, hydrosphere, biosphere □ Impacts of climate change on human health, the economy, and the society □ Tipping elements: Antarctic and Greenland ice sheet, AMOC, permafrost □ Mitigation: Pathways to carbon neutrality: energy, materials, nutrition □ Adaptation: concepts for cities, farming, forestry, economy, etc. □ Concepts of sustainability: efficiency, consistency, sufficiency □ Policy and Governance: 1,5°C goal, IPCC, etc. □ Climate engineering
reading list	Recommended additional reading: ▪ Climate Change 2023: Synthesis Report. Contribution of Working Groups I, II and III to the Sixth Assessment Report of the IPCC, Geneva, Switzerland (2023) Open access at: https://www.ipcc.ch/report/sixth-assessment-report-cycle/ ▪ A. Schmittner: Introduction to climate sciences, Oregon state university, Corvallis, OR (2018), Open access at: https://open.oregonstate.edu/climatechange/ ▪ Christopher Lant: Natural-Resources-Sustainability - An-introductory-synthesis (2023) Open access at: https://uen.pressbooks.pub/naturalresourcesustainability/ ▪ Further literature will be provided during the course
assessment arrangements	
type of examination	Portfolio exam consisting of: - data collection (at home and in Kempten) - oral presentations (during and after the seminar) - report (after the seminar) Additional tasks
examination period	During the seminar and after the seminar
approved aids	Depending on the task

general information	
name of the course	2B Ski Engineering
teacher	Prof. H. Mayer Prof. S. Löhr
language	English
hours per week	3 SWS / 4 ECTS
time required: contact hours private study online hours	Contact hours 32 Private study 64 Online hours 4 Total 100
frequency	annual, in the winter semester
max.participants	12
description of the course	
learning objectives	Upon completing this module, students will be able to... 1) Knowledge and understanding: - explain the basic principles of ski construction, including ski geometry, materials and the function of individual components. - understand simplified bending theory and relate ski design and construction to different skiing applications. - describe the main materials, manufacturing processes and technological developments used in ski construction. 2) Using and applying knowledge: - research and critically evaluate technical information relevant to ski design and construction. - select suitable materials, geometry and construction methods for a defined application. - carry out and document essential ski manufacturing processes, from core preparation and edge bending to topsheet production and lamination. - analyze the relationship between design, materials, manufacturing processes and the properties of the finished skis. 3) Scientific self-conception: - independently acquire, structure and evaluate technical knowledge from different sources. - integrate knowledge from mechanics, materials science, product design and manufacturing technology to address an interdisciplinary engineering task. - develop and justify engineering decisions based on technical requirements, practical constraints and available evidence.

	4) Personal development, ethical behaviour and professionalism: - organize and coordinate tasks effectively within an international project team. - communicate technical information and ideas clearly in an intercultural and multidisciplinary environment. - work responsibly and safely with tools, machinery and materials. - systematically document and communicate project results in a structured technical report. - reflect on their own contribution and on the challenges and outcomes of the project.
teaching content	- Introduction to ski engineering, ski history and applications - Basic ski construction, materials, geometries and simplified bending theory - Ski design and planning for a defined application - Preparation of individual ski components, including the core, edges, composite fabrics and topsheet - Ski assembly: Lamination and curing of the ski - Documentation and evaluation of the manufacturing process - Analysis of the finished skis and reflection on design and manufacturing decisions
reading list	https://en.wikipedia.org/wiki/Ski_geometry https://www.mechanicsofsport.com/skiing/equipment/skis/ski_construction.html https://www.armadaskis.com/en-ca/article/whats-my-ski-made https://buildskis.com https://craftski.de/material/
assessment arrangements	
type of examination	Portfolio exam consisting of: - data collection (at home and in Kempten) - performing practical laboratory work - report (after the seminar)
examination period	during the seminar and after the seminar
approved aids	depending on the task