Economic and Social Sciences

Degree conferred
Rerum Politicarum Doctor / Doctor of Philosophy in Economics (PhD)
Doctor of Philosophy in Management (PhD)
Doctor of Philosophy in Information Management (PhD)
Doctor of Philosophy in Communication (PhD)

Commencement of studies
An application for admission may be submitted at any time.

Regulation
http://studies.unifr.ch/go/lX6Q7 (French and German only)

Application procedure
Candidates with Swiss qualifications
http://studies.unifr.ch/go/0bJpN
Candidates with foreign qualifications
http://studies.unifr.ch/go/4a2qV

Fribourg profile
At the Faculty of Economics and Social Sciences, candidates can participate in a doctoral programme in the different subfields of the economic sciences – management, economics or information systems.

The Department of Management offers doctoral studies in all management disciplines (e.g. financial management, accounting, HRM, marketing, corporate strategy, technology management, international management). These are organised according to the research fields of the professors of the department. You can find a list of the research fields here: http://www.unifr.ch/bwl/en/research. During their doctoral studies, candidates usually write research articles, give presentations at academic conferences in Switzerland and abroad, publish articles and participate in various courses (e.g. doctoral seminars, method courses).

The Department of Economics offers doctoral studies in all fields of economics (e.g. microeconomics, macroeconomics, econometrics). Ph.D. students regularly participate in doctoral programmes offered by the Study Center Gerzensee:
– Swiss Program for beginning doctoral students in economics, Gerzensee (see DOCTORAL SCHOOL)
– Advanced Courses in Economics for Doctoral Students, Gerzensee (see DOCTORAL SCHOOL)
Moreover, Ph.D. students regularly participate and present in the departmental seminar series:
– Departmental Research Seminar
– Departmental Ph.D. Seminar

The Department of Informatics of the University of Fribourg offers doctorates in the fields of information management and computer science. Information management should be understood in the broadest sense of the term as comprising both information systems and decision-support systems.
During their studies, Ph.D. students can participate in doctoral schools (such as the CUSO doctoral programmes in computer science or statistics and applied probability), or in specialist seminars in operational research.
Consequently, doctoral theses may cover themes such as the Internet of Things/Web of Things, or decision support systems for managers through the application of operational research, fuzzy logic or applied statistics models.

Please consult this link for further details about the activities of the departments and chairs:
http://studies.unifr.ch/go/q5iPd

Professors eligible to supervise a doctoral thesis

Department of Economics

• Prof. Berno Büchel

Research fields:
– Industrial Organisation
– Network Science
– Law & Economics
– Applied Microeconomic Theory
– Applied Game Theory
– Digital Economy

Supervision of theses in English and German.

• Prof. Christelle Dumas

Research fields:
– Development microeconomics
– Applied econometrics
– Empirical health, labour, education economics and demographics

Additional courses:
Other courses (health economics, econometrics) provided as workshop or block lectures, at University of Fribourg or in Switzerland.

Supervision of theses in French and English.

• Prof. Reiner Eichenberger

Research fields:
– Public Economics
– Political Economics
– Public Choice
– Economic Policy
– Behavioural Economics

Supervision of theses in German and English.

• Prof. Volker Grossmann

Research fields:
Course offerings 19/20 | SS20
Study programme description
Doctorat

- Growth Economics
- Distribution of Income and Wealth
- Human Capital Formation
- International Migration
- Health Economics
- Economics of Ageing
- Bequest Taxation

Supervision of theses in German and English.

- **Prof. Philippe Gugler**

  Research fields:
  - Competition Policy
  - Competitiveness issues (economic policy, clusters, quality of the business environment; competitiveness of regions and cities)
  - Multinational enterprises (MNEs)/international business (competitiveness of locations to attract FDI)
  - Role of home country competitive advantages in the competitiveness of MNEs
  - Public policies regarding competitiveness

  Supervision of theses in French and English.

- **Prof. Holger Herz**

  Research fields:
  - Industrial Organisation
  - Organisational Economics
  - Behavioural Economics
  - Experimental Economics
  - Innovation and Entrepreneurship

  Additional courses:
  Doctoral Program in Behavioral Economics and Experimental Research, CUSO (see DOCTORAL SCHOOL).

  Supervision of theses in German and English.

- **Prof. Martin Huber**

  Research fields:
  - Empirical labour, health, and education economics
  - Microeconometric methods for causal inference
  - Policy/treatment evaluation

  Additional courses:
  Ph.D. Program in Public Health of the Swiss School of Public Health (see DOCTORAL SCHOOL); Ph.D. courses offered by the Global School in Empirical Research Methods (see DOCTORAL SCHOOL).

  Supervision of theses in German and English.

- **Prof. Thierry Madiès**

  Research fields:
  - Policy Public economics
  - Public finance
  - Political Economics
  - New economic geography
  - International taxation
  - Economics of secessions
  - Experimental economics
  - Applied game theory
  - Economics of innovation

  Supervision of theses in French and English.

- **Prof. Sergio Rossi**

  Research fields:
  - Monetary Theory and Policy
  - Inflation
  - Financial Stability and Crises
  - Bank Regulations
  - Payment and Settlement Systems
  - Exchange Rate Regimes and Global Imbalances
  - European Monetary Integration
  - History of Monetary Thought

  Supervision of theses in English, German, French and Italian.

- **Prof. Mark Schelker**

  Research fields:
  - Public Economics
  - Public Finance
  - Political Economics
  - Law and Economics
  - New Institutional Economics
  - Applied Econometrics

  Additional courses:
  Other courses (public economics, econometrics) taught as workshops or block lectures at universities in Switzerland or abroad.

  Supervision of theses in French, German and English.

**Department of Management**

- **Prof. Silke Bambauer-Sachse**

  Research fields:
  - Price management
  - Online marketing
  - Complaint management

  Supervision of theses in German, French and English.

- **Prof. Michael Burkert**

  Research fields:
  - Strategy implementation with management control systems
  - Corporate governance
  - Incentive systems
  - Cost accounting and cost accounting systems

  Additional courses:
  Swiss Doctoral Program Network in Accounting Research (see DOCTORAL SCHOOL) and other courses (econometrics, experimental research in accounting) taught as workshops or block lectures at universities in Switzerland or abroad.

  Supervision of theses in German and English.
Course offerings 19/20 | SS20
Study programme description
Doctorat

- **Prof. Eric Davoine**
  - Research fields:
    - International and cross-national comparative HRM
    - Globalisation processes and HRM
    - International mobility
    - Managerial cognition
    - French-German Intercultural Management
    - Evaluation of HR processes
    - Top management careers
    - Gender and career
  - Projects:
    - Swissness and HRM in the watch making industry
    - Context effects and HRM in MNC subsidiaries
    - HRM in MNC subsidiaries in Switzerland, Ukraine and Lebanon
    - Career anchors within global MNCs: generation and gender effects
    - Globalisation of Swiss top management profiles
    - Integration of highly skilled migrants in Swiss companies
    - Competencies gained through international student mobility
    - Impacts of new communication technologies on managerial practices
    - Gender issues in international dual careers
  - Additional courses:
    - PhD Seminar of Department of Management; PhD seminar of RHO Chair with guest researchers; LIVES NCCR PhD seminar; Ad-hoc method seminars from Swiss universities.
  - Supervision of theses in French and English.

- **Prof. Paul H. Dembinski**
  - Research fields:
    - Non-market environment of business
    - Very Large Enterprises in the World Economy
    - Global Value Chains – Structure & Meaning from macro & enterprise perspective
    - The economic fabric of Switzerland
    - Ethics in Business and Finance
    - Epistemology of Economics, management and Finance
    - Philosophy of the Enterprise
    - Comparative Economic Systems
    - Finance and Real Economy Nexus
    - Entrepreneurship in theory and practice
  - Supervision of theses in French, English, German, Spanish and Polish.

- **Prof. Emmanuelle Fauchart**
  - Research fields:
    - Entrepreneurship
    - Innovation Management
    - Open Innovation
    - Start-ups
    - Small enterprises
  - Supervision of theses in French and English.

- **Prof. Olivier Furrer**
  - Research fields:
    - Marketing services
    - Strategic marketing
    - Intercultural marketing
    - Corporate-level strategy
  - Supervision of theses in French and English.

- **Prof. Markus Gmürr**
  - Research fields:
    - NPO Management
    - Social Entrepreneurship
    - Third Sector Studies
  - Projects:
    - Member Value Optimisation in Associations and Co-operatives
    - Typologies of Social Entrepreneurship in international comparison
    - Entrepreneurial Not-for-profit Management
    - Third sector labour markets and career patterns of npo executives
    - Corporate philanthropy and intersectoral cooperation
    - Professionalisation in fundraising
  - Supervision of theses in German and English.

- **Prof. Rudolf Grünig**
  - Research fields:
    - Corporate-level strategy
    - Strategy planning process
    - Internationalisation strategies
  - Supervision of theses in German, French and English.

- **Prof. Dušan Isakov**
  - Research fields:
    - Finance
    - Business finance
    - Business governance
    - Financial markets
    - Dividend policy
    - Financial decisions and performance of family businesses
    - Executive remuneration
  - Additional courses:
    - Block courses given in Swiss universities or abroad as well as some courses offered by the Swiss Finance Institute.
  - Supervision of theses in French and English.

- **Prof. Franck Missonier Piera**
  - Research fields:
    - Governance role of accounting information
    - Valuation role of accounting data
    - Determinants & consequences of analysts’ forecast errors
    - Role and consequences of IPSAS (International Public Sector Accounting Standards)
    - Environmental disclosure
  - Supervision of theses in French and English.
Prof. Dirk Morschett
Research fields:
– Headquarters-subsidiary relationships
– Coordination of foreign subsidiaries
– Market selection
– Market entry strategies
– Internationalisation of services and services companies
– Internationalisation of retail companies
– Management in Emerging Markets
Supervision of theses in German and English.

Prof. Stephanie Teufel
Research fields:
– Smart Living & Energy Systems Management
– Innovation & Technology Management
– Cybersecurity Management
Subjects of specific interest:
– Crowd Energy and Energy Prosumers (Behavioural Analysis and Decision Processes; Peer-to-peer Energy Transaction: Business Models, Legal Aspects, Smart Contracts & Blockchains)
– Smart Environments and «Type IV Crowds»
– Cybersecurity – Human-centric view of security frameworks in loosely coupled structures
Supervision of theses in German and English.

Prof. Martin Wallmeier
Research fields:
– Asset Management
– Derivatives and Structured Financial Products
– Asset Pricing
– Firm Valuation
– Information Implied in Option Prices
– Behavioral Finance
Supervision of theses in German and English.

Prof. Laurent Donzé
Areas of specialisation:
– Survey statistics
– Fuzzy statistics
– Statistical modeling
– Imputation of missing data in complex enquiries
– Evaluating economic policy programmes
– Problems related to evaluation of wage gaps
Subjects of specific interest:
– Hedonic methods, notably for constructing price indices
– Fuzzy statistics methods
Supervision of theses in French, German and English.

Prof. Bernard Ries
Areas of specialisation:
– Combinatorial optimisation
– Structural and Algorithmic Graph Theory
– Decision Support
– Complexity Theory
– Mathematical Modeling
Subjects of specific interest:
– Modeling and solving real world problems using graph theory and combinatorial optimisation
– Analysing the computational complexity of graph theoretical problems
– Analysing the structure of graphs in order to provide efficient algorithms
Supervision of theses in French, German and English.

Prof. Hans-Georg Fill
Areas of specialisation:
– Meta modeling
– Conceptual modeling
– Visualisation
– Process management
– Development of enterprise information systems
Subjects of specific interest:
– Semantic information systems
– Blockchains and smart contracts
– Application of virtual and augmented reality in enterprise modeling
– Deviceless interaction for enterprise information systems
Supervision of theses in German and English.

Prof. Jacques Pasquier Rocha
Areas of specialisation:
– Applying and improving software engineering techniques to build modular and extensible software architectures for challenging application domains
– Frameworks for integrating and coordinating heterogeneous software components (legacy applications, micro-services, objects populating the Internet of Things, RESTful web services, etc.) and humans in complex distributed systems
Supervision of theses in French and English.

Prof. Marino Widmer
Areas of specialisation:
– Quantitative models and methods of operational research with their applications in manufacturing and logistics
– Combinatorial optimisation, in particular scheduling theory
– Heuristic and metaheuristic methods
– Simulation methods
– Decision support systems
Subjects of specific interest:
– Operational Research: General Applications for Small and
Medium Enterprises
– Supply chain and distribution management
– Production planning and control in industry and services
– Design and control of systems in manufacturing and logistics

Supervision of theses in French and English.

Studies organisation
Structure of studies
30 ECTS credits can be earned.

Doctoral school
http://www.szgerzensee.ch/courses/doctoral/swiss-program
http://www.szgerzensee.ch/courses/doctoral/advanced-courses
http://www.ssphplus-phd.ch
http://www.qserm.ch
http://www.dar.uzh.ch/en.html
https://behavioural-research.cuso.ch
https://statistique.cuso.ch

Admission
In order to be admitted to a doctorate the candidate must have been awarded an academic Bachelor’s and Master’s degree or an equivalent qualification by a university recognised by the University of Fribourg.

Before applying for a doctorate the candidate must contact a professor who would be willing to supervise the thesis work.

There is no general right to be admitted to a doctorate.

The respective conditions of admission for each doctoral study programme are reserved.

Contact
Faculty of Economics and Social Sciences
Dean’s Office
Alvaro Baragiola
alvaro.baragiola@unifr.ch
http://studies.unifr.ch/go/en-economicsocialsciences

Doc- Postdoc-portal
http://www.unifr.ch/phd