

Medium-term Scheme of the Structured Doctoral Programme in Applied Economics

This curriculum was adopted by the Curriculum Commission on 26 May 2014.

1 Structure of the Curriculum

The curriculum of the structured doctoral programme (DP) is divided into three modules:

- I. Advanced Theory and Research Methods
- II. Advanced Field Courses
- III. Research Training

Module I *Advanced Theory and Research Methods* includes a minimum **compulsory component** in mathematics and research methods, which is to be attended by all students in the DP during the autumn semester.

Module II *Advanced Field Courses* includes courses that are methodological and advanced in content. Candidates are assigned to individual courses by programme management in consultation with the doctoral candidates. This module includes the inter-university Gerzensee programme ("Swiss Programme for Beginning Doctoral Students in Economics"), special courses offered by the Faculty of Business and Economics, which are closely linked to research done by professors in these courses, as well as courses offered by the inter-university programs "Swiss Doctoral Programme in Environmental and Energy Economics" (Basel, Bern, ETHZ, EPFL) and "Swiss Doctoral Programme in Accounting" (Basel, Bern, Zurich).

Module III *Research Training* includes the development of a research proposal and its presentation in a workshop at the end of the first year. No credit points (CP) are awarded for this module.

Students must achieve at least 30 CP in the curriculum of the DP by the end of the third semester. Both the grades achieved in the courses and the quality of the research proposal are crucial for the evaluation at the end of the second semester.

The *Research Seminar* offered by the Faculty, where established scientists and researchers from Switzerland and abroad discuss their work, must be attended regularly by the students in the DP.

2 Offerings in the Curriculum of the DP (as of 2014 spring semester)

2.1 Advanced Theory and Research Methods Module

The following compulsory courses are offered in the 2014 autumn semester (HS 14):

- **Advanced Mathematics for Research Students** (Dr. Thomas Zehrt, 3 CP, HS14)
- **Advanced Research Methods for Research Students** (Prof. C. Wunsch, 3 CP, HS14)

2.2 Advanced Field Courses Module

At least 24 CP must be gained from courses offered in the 2015 spring semester (FS 15) and the 2015 autumn semester (HS 15). Allocation to Group 1 or 2 is decided by the programme management in consultation with the doctoral candidates. Some of the courses must be attended during FS 15.

Courses from Group 1:

These courses are part of the Gerzensee programme. They run from January to January. Intermediate exams are scheduled in July. Final exams take place in January. The programme management allocates the candidates to the following courses:

- **Microeconomics** (12 CP)
- **Macroeconomics** (12 CP)
- **Econometrics** (12 CP)

Courses from Group 2:

These courses are offered by the faculty or in cooperation with other universities within the inter-university doctoral programmes. They are mentioned specifically in the course catalogue for doctoral students in the DP in Applied Economics. The examination results are available by the end of January or June.

The following courses consist of a lecture component, which may be held jointly with Masters students (MSc in Business and Economics), and a research component, to be completed only by students in the DP (solving problem sets, writing short papers). Attendance is monitored separately (individual course number for the event in the DP). The titles of the courses are generally identical to those of the Masters courses, with "for Research Students" added at the end of the title.

Candidates' performances are also evaluated separately. Only selected sequences from the lecture component are compulsory for doctoral candidates.¹

¹ Doctoral students who have completed the relevant Masters courses as Masters students and are later included in the DP can attend these courses within the DP, because the research part is at the core of the DP course. Attending all lectures is optional.

Microeconometrics I for Research Students (Prof. C. Kleiber, 3 CP, FS 15)

Microeconometrics II for Research Students (Prof. K. Schmidheiny, 3 CP, HS 15)

Time Series Analysis II for Research Students (Prof. C. Kleiber, 3 CP, HS 15)

Advanced Computational Economics for Research Students (Prof. D. Maringer, 3 CP, FS 15)

Contract Theory for Research Students (Prof. G. Nöldeke, 3 CP, FS 15)

Economics of Financial Accounting for Research Students (Prof. U. Schiller, 3 CP, FS 15)

Advanced Environmental Economics II for Research Students (Prof. F. Krysiak, 3 CP, HS15)

Monetary Theory for Research Students (Prof. A. Berentsen, 3 CP, FS 15)

Experimental Macroeconomics for Research Students (Prof. G. Camera, 3 CP, FS 15)

The Economics of Unemployment for Research Students (Prof. C. Wunsch, 3 CP, FS15)

Advanced Public Finance for Research Students (Prof. B. Hintermann, 3 CP, FS15)

Advanced International Trade for Research Students (Prof. R. Weder, 3 CP, FS15)

2.3 Research Training Module (0 CPs)

A research proposal must be written and the proposal presented in the summer.

Regular participation in the faculty's research seminar is required.