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**Study Regulations  
for the Doctoral Program in Business at the Center for Doctoral Studies in  
Business (CDSB) of the University of Mannheim**

as at 5 June 2009

(Bulletin of the President's Office (Bekanntmachungen des Rektorats) No. 17/2009  
(part 2) of 15 June 2009)

1. amendment as at 12 December 2010 (Bulletin of the President's Office (Bekanntmachungen des Rektorats) No. 36/2010 of 15 December 2010)
2. amendment as at 20 April 2012
3. amendment as at 7 March 2013
4. amendment as at 3 June 2013 (Bulletin of the President's Office (Bekanntmachungen des Rektorats) No. 15 of 12 June 2013)
5. amendment as at 5 June 2014 (Bulletin of the President's Office (Bekanntmachungen des Rektorats) No. 14 of 11 June 2014)

(non-official version)

**Section 1 - Scope**

These Study Regulations govern the structure of and admission to the doctoral program in Business at the Center for Doctoral Studies in Business (CDSB) at the Graduate School of Economic and Social Sciences: Empirical and Quantitative Methods (GESS). They are based on the respective current version of the Regulations and Procedures Governing the Doctoral Dissertation to Earn a Doctoral Degree in Business.

**Section 2 - Objectives of the Doctoral Program**

The doctoral program in business aims to provide students with the most recent expertise, skills and methods in the field of business and to enable them to pursue independent scientific research. Independent scientific research is the essential core of the doctorate. During the doctorate, the doctoral candidate gains significant competences, that shall be acquired through scientific practice and independent scientific research. The doctoral programs at the CDSB are research oriented, systematically structured and interdisciplinary programs that aim at the acquisition of competences and shall guarantee close supervision and best possible support.

**Section 3 - Admission and Examination Committee**

- (1) The admission and examination committee is composed of the academic director of the CDSB as chair of the committee and the persons in charge of the respective program. The committee members' term of office is three years. They may be reappointed.
- (2) The committee has a quorum if the majority of the members including the chair are present. The chair can be assigned to another member of the committee in exceptional cases.
- (3) The committee decides with a simple majority of the present members. Meetings of the committee are not open to the public.
- (4) The committee is responsible for the examinations of candidates at the CDSB based on these Study Regulations.

- (5) The committee enforces these Study Regulations. It makes all decisions related to the administration of examinations as far as according to these Study Regulations no other body is in charge. The committee reports to the school council about the developments of the study and examination periods as well as on the subject-specific and final grades.
- (6) The members of the committee have the right to be present during the examinations.
- (7) The committee may assign its tasks to the chair of the committee for all regular cases.
- (8) Any decisions by the committee or its chair have to be communicated to the candidate in writing. Objections to these decisions shall be directed to the committee in writing or verbally, on record, within one month after issuance of the decision. If the committee does not sustain the objection, it shall be forwarded to the President's Office for decision.

#### Section 4 - Admission to the Doctoral Program

- (1) If admission is selective due to a limited number of spots in the doctoral program in Business, the selection is governed by selection statutes.
- (2) If admission is not selective, an application for admission shall be submitted in accordance with the requirements specified in these Study Regulations.

#### Section 5 - Deadlines

The application for admission for the fall semester shall be submitted to the University of Mannheim in the form specified in section 6 by 15 April of each year (definitive deadline).

#### Section 6 - Form of the Application for Admission

- (1) The following attachments shall be submitted together with the application for admission via the online application tool, which can be reached via a link on the web site of the CDSB:
  - a. Copies of certificates (higher education entrance qualification as well as bachelor's, master's or Diplom degree certificate with individual grades or transcript of records of all available examinations and coursework at this point).
  - b. Proofs for the evaluation of academic capacity in accordance with section 8 subsection 1 (b)
- (2) The regulations on admission and enrollment of the University of Mannheim remain unaffected.

#### Section 7 - Examination and Official Notification

- (1) Based on the submitted documents and on a selection interview, the admission and examination committee examines if all admission requirements in accordance with section 8 are met. The selection interview may be conducted via video-conferencing or the like.
- (2) Based on this result, the notification will be issued.
- (3) The CDSB administration is in charge of the administration of the selection process.

#### Section 8 - Requirements for the Doctoral Program

- (1) Requirements for the doctoral program are:
  - a. A completed bachelor's degree with a standard period of study of at least 4 years or a completed master's degree in Business or Economics or another field of study acknowledged as comparable. The final grade of the degree shall be at least "good" ("gut"). If the degree is not yet finished, admission may still be requested in case one can expect that the degree and all admission requirements for the doctoral program are fulfilled in time before the beginning of the doctoral program. This decision shall be based on the previous progress of studies and

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especially on previous examinations. In this case, an official notification of admission can only be given under the condition that the degree is finished and all requirements fulfilled before the beginning of the doctoral program. The student is responsible for providing sufficient proof. If the prospective student does not provide proof in due time, admission is not possible and will be rescinded. The admission and examination committee decides whether or not a degree is considered equivalent or comparable. For the recognition of foreign degrees, the recommendations of the Standing Conference of the Ministers of Education and Cultural Affairs as well as agreements within the scope of the cooperations between universities shall be taken into account. In cases of doubt, the Central Office for Foreign Education (Zentralstelle für ausländisches Bildungswesen - ZAB) is consulted.

- b. Academic capacity to perform in-depth, scientific research, which gives reason to expect that the doctoral student is particularly qualified to write a high-profile dissertation. To assess whether or not the student has sufficient academic capacity, he or she shall submit the following documents:
- Proof of a successfully completed GMAT (Graduate Management Admission Test). Students, who can prove the successful completion of a GRE (Graduate Record Examination) do not have to take the GMAT.
  - Letter of motivation in English of about 500 words
  - A scientific essay written by the applicant (as a rule, 10 pages in English or German)
  - Two evaluations by university teachers to be submitted via the online application tool
  - A positive evaluation by a faculty member of the Business School based on an interview according to section 7 subsection 1

The admission and examination committee decides on exceptions from these requirements and, if applicable, determines requirements that serve as substitutions.

- (2) Admission to the doctoral program also requires that an applicant is eligible to take exams for the master's program or any other degree course in the same field of study or another field with generally the same content in accordance with section 8 subsection 1(a) sentence 1.

#### Section 9 - Admission of Graduates of the Postgraduate Degree Course "Mannheim Master in Management" (Master of Science) at the University of Mannheim

- (1) Applicants who are graduates of the postgraduate degree course "Mannheim Master in Management" (Master of Science) at the University of Mannheim may, under the following conditions, submit an application for admission to the doctoral program in Business differing from the requirements in section 6 in connection with section 8 subsection 1(b):
- a) The applicant completed the research-oriented course program "Business Research" as part of the postgraduate degree course "Mannheim Master in Management" (Master of Science).
  - b) The applicant confirms that he or she completed at least three quarters of the eight mandatory courses of the respective CDSB program he or she wants to be admitted to with a grade of 4.0 or better.

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- c) The applicant proves his or her academic capacity in accordance with section 8 subsection 1(b) with his or her master's thesis. This shall be supported by a recommendation from a university teacher suggesting admission to the CDSB.
  - d) A university teacher expresses his or her willingness to be a member of the dissertation committee.
- (2) Instead of the proofs specified in section 8 subsection 1(b), the applicant shall prove that he or she has met the requirements specified in subsection 1.
  - (3) If the applicant has met all requirements of section 1, admission to the third semester of the program takes place.

#### Section 10 - Beginning of the Program, Standard Period of Study, Required Coursework

- (1) As a rule, the program starts in the fall semester.
- (2) The standard period of study for obtaining the academic degree is six semesters.
- (3) The required coursework for the completion of the doctoral program corresponds to a total of at least 120 ECTS credits. One credit point corresponds to a workload of about 30 hours.
- (4) Credits are assigned to individual coursework and examinations of the doctoral program. This is specified in appendix 1. No ECTS credits are assigned to the dissertation, which may be a summary of scientific articles.

#### Section 11 - Structure of the Program and Completion of Coursework Requirements

- (1) The doctoral program consists of courses with coursework requirements and a written doctoral dissertation, which may also be a summary of several scientific articles. Coursework requirements in the mandatory and elective subjects shall be completed by the end of the fourth semester and serve to prove the educational achievements and competences. For writing the doctoral dissertation and completing the doctorate, the Regulations and Procedures Governing the Doctoral Dissertation to Earn a Doctoral Degree in Business apply.
- (2) In the first year, eight mandatory courses of the respective study program at the CDSB shall be completed (cf. appendix 1). In case less than three quarters of these courses are completed with the grade 4.0 ("fair") or better, the student cannot continue in the program.
- (3) Additionally, elective courses shall be completed. The elective courses shall be selected after consulting with the supervising university teacher.
- (4) Before the end of the fourth semester, a so-called bridge course of another Center for Doctoral Studies (CDSE or CDSS) of the GESS shall be completed. If a study program of the CDSB already requires the attendance of a course in another Center for Doctoral Studies, the requirement is considered fulfilled with the completion of the course.
- (5) Before completion of the doctoral program, a course in English Academic Writing shall be completed.
- (6) The teacher of each course is the one to decide on the modalities of the examination.
- (7) Failed examinations may be retaken once. The retake shall be scheduled as soon as possible. It is possible to change a course after failing an examination.
  - a. All registrations and withdrawals shall be conducted through the CDSB offices. A student may only withdraw from elective courses if less than one third of the coursework was completed at the time of withdrawal. After this period, withdrawal is no longer possible. In all courses, all coursework has to be completed.

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- (8) For each semester of the doctoral program, participation in the Area Seminar of the respective program is mandatory. In total, 36 ECTS credits at most may be obtained in Area Seminars.
- (9) At the beginning of the third semester, a written dissertation proposal shall be submitted to the admission and examination committee. The mentor or prospective supervisor of the dissertation comments on the proposal before the committee. The admission and examination committee consents to the continuation of the doctoral program by accepting the dissertation proposal and recognizing the successful coursework of the first year of study.
- (10) After each semester, the successful course of study shall be confirmed by the mentor and/or supervisor in the "Doctoral Milestones" form, that shall be forwarded to the Center Manager.
- (11) The CDSB administration is in charge of administering all coursework of the CDSB programs. The dean's office of the Business School is in charge of administering the doctoral process.

#### Section 11a - Maternity Leave and Parental Leave

- (1) The periods of protection in accordance with section 3 subsection 1 and section 6 subsection 1 of the Maternity Protection Act (MuSchG) shall be considered upon written request from female students addressed to the admission and examination committee. The required proofs shall be attached to the request.
- (2) Maternity leave interrupts all deadlines defined in these Study Regulations. The period of maternity leave is not included in the calculation of deadlines.
- (3) The periods of parental leave in accordance with section 15 subsections 1 to 3 of the Federal Act on Parental Allowance and Parental Leave (BEEG) of the respective valid version shall be considered upon written request from students addressed to the chair of the admission and examination committee. The admission and examination committee shall be informed about the period or periods of parental leave that the student is planning four weeks prior to the beginning of the leave at the latest. The required proofs shall be attached to the request.

In case of subsection 3, the admission and examination committee reviews whether the applicant is eligible for parental leave. It then informs the student in writing about the result of the review and, if necessary, about the new examination deadlines.

#### Section 11b - Flexible Deadlines

- (1) Upon written request to the admission and examination committee, flexible deadlines shall be established for students who take on family obligations. In particular, this applies to students who have custody of a child under three years of age, who is living in the same household and whom they look after mainly on their own. In this case, the student shall have the right to submit some of the coursework and take examinations after the designated deadlines. The deadlines for re-sit exams can be extended for two semesters at a maximum. If a student does no longer meet the prerequisites for flexible deadlines, he or she forfeits the corresponding rights at the end of the respective semester. The student shall provide the corresponding proofs. The student is obliged to inform the admission and examination committee immediately about any changes regarding the prerequisites in writing.
- (2) Students who are not able to attend classes regularly, submit required coursework or take exams due to prolonged illness or a prolonged or permanent disability, but are still able to pursue their studies, have the right to request an extension for the

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deadlines of coursework or examinations. The deadlines for re-sit exams can be extended for a maximum of two semesters. Regarding everything else, the extension deadline amounts to three years at a maximum. The student shall provide the corresponding proofs, in particular the medical certificates. In case of doubt, the chair of the admission and examination committee can name the physician the student shall consult. In all cases, the medical certificate(s) shall include the necessary medical results. Subsection 1(7) applies correspondingly.

- (3) Students who served as elected members of one of the statutory bodies of the University of Mannheim or another higher education institution or of the Studentenwerk for at least one year can request for an extension of the deadlines mentioned in these Study Regulations with the President of the University if he or she provides the relevant proofs. The extension amounts to two semesters at a maximum.

#### Section 11c - Recognition of Periods of Study and Examinations

(1) Coursework and examinations as well as periods of study, which were performed in comparable doctoral programs at official or officially recognized higher education institutions and public universities of cooperative education (Berufsakademien) of the Federal Republic of Germany or at foreign official or officially recognized higher education institutions will be recognized provided that the competences acquired are not significantly different from those they are to substitute. Comparability is, as a rule, only given if the coursework that is to be recognized focuses on independent scientific research as much as the coursework that is to be substituted.

(2) For the recognition of coursework or exams completed abroad, agreements between the Federal Republic of Germany and other countries need to be taken into account, such as agreements on equivalencies in higher education (equivalency agreements) and agreements within the framework of university partnerships and double degree programs (cooperation agreements). Furthermore, in cases of doubt regarding the equivalency of qualifications, the Central Office for Foreign Education (Zentralstelle für ausländisches Bildungswesen - ZAB) can be consulted.

(3) Skills and qualifications obtained outside of the higher education sector shall be recognized if

- a) the requirements for admission to a higher education institution are fulfilled at the time of recognition,
- b) the skills and qualifications to be recognized are equivalent to the coursework and examinations to be substituted in terms of content and level and
- c) the criteria for recognition were examined as part of an accreditation.

For recognition, the applicant has to prove that the competences he or she acquired outside of the higher education sector are comparable to the coursework to be substituted in terms of content and level. For the decision on the recognition, the form of instruction is also taken into account. Skills and qualifications obtained outside of the higher education sector may substitute 50 percent of the doctoral program at most. The regulations for the recognition of coursework and examinations at public universities of cooperative education (Berufsakademien) in Germany remain unaffected.

(4) Upon request, the admission and examination committee decides on the recognition. It is the student's responsibility to provide the necessary documents regarding the coursework and examinations to be recognized by the committee.

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(5) If credits are recognized and the grading systems are similar, the grades shall be transferred according to these Study Regulations and considered for calculation of the final grade. In order to guarantee a consistent procedure, the admission and examination committee can pass general regulations for the conversion of grades obtained abroad within the limits of the legal provisions. If conversion is impossible because the grading systems differ or the coursework was not graded, it is simply considered and marked "passed". In this case, the coursework or examination will not be included in the final grade. The recognition of mandatory and elective courses takes place according to the European Credit Transfer System (ECTS) employed at the University of Mannheim. The recognition is indicated in the degree certificate and in the transcript of records.

(6) In case the student takes part in an examination at the University of Mannheim even though he or she already obtained the respective qualification elsewhere, he or she automatically waives the right to have the previous qualification recognized.

#### Section 12 - Absence, Withdrawal, Cheating, Misconduct

- (1) An examination is considered failed and graded with 5.0 (failed) if the candidate misses the examination without valid reasons, or if he or she, after admission, does not take part in the examination without valid reasons, or withdraws after the beginning of the examination. The same applies if a written examination is not completed within the given time frame.
- (2) The admission and examination committee shall be informed immediately in writing about the reasons brought forward for the withdrawal or absence. In case of illness of the candidate, the university may ask for a medical certificate or, in cases of doubt, even demand the medical certificate from a physician of its choice. If the reasons are recognized, the re-sit examination has to take place at the next possible examination date. In case of an oral examination, a new date shall be arranged. Results of examinations that are already available shall be recognized.
- (3) If a candidate tries to manipulate his or her examination by cheating or using unauthorized resources, the respective examination will be graded with 5.0 (failed). A candidate who disturbs the proper course of the examination may be excluded by the respective examiner or supervisor. In this case, the respective examination will be graded with 5.0 (failed). In serious cases, the committee may also exclude the candidate from taking further examinations.

#### Section 13 - Assessment of Examinations

- (1) The grades for the individual examinations are determined by the respective examiner. For the assessment of the examinations, the following grading system applies:
  - 1.0 = very good ("sehr gut");
  - 2.0 = good ("gut");
  - 3.0 = satisfactory ("befriedigend");
  - 4.0 = fair ("ausreichend");
  - 5.0 = failed ("nicht ausreichend").

Ungraded coursework is marked P (pass) or F (failed).
- (2) The grades from subsection 1 may be upgraded or downgraded by adding or subtracting 0.3. The upgraded or downgraded grade shall be assigned to the original grade it derived from. The grades 0.7, 4.3, 4.7 and 5.3 are not assigned.

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- (3) Credits are issued when an examination is graded with at the least 4.0 or P (pass).

#### Section 14 - Supervision of the Students

- (1) As a matter of principle, as of the first semester, each student is assigned a supervising faculty member (mentor) from within the respective program.
- (2) By the end of the first year, the doctoral student shall have found a faculty member from within the school who is willing to supervise his or her dissertation project.
- (3) By the end of the third year, the doctoral student shall have found two additional university teachers who are willing to serve as members of his or her dissertation committee. At least one member of the dissertation committee has to be a faculty member of the University of Mannheim. The names of the mentor, supervisor and members of the dissertation committee shall be forwarded to the CDSB administration without delay.

#### Section 15 - Studies Abroad

As of the second year, students may continue the program at a partner university. The academic director decides about this upon request from the student.

#### Section 16 - Certificate

- (1) A certificate confirming successful participation in the doctoral program is issued. Regardless of passing, it includes all mandatory and elective courses attended according to section 12 and lists all coursework and examinations.
- (2) The certificate is issued by the CDSB.

#### Section 17 - Access to Examination Records

Upon request and with adequate notice, the candidate may be granted access to his or her evaluated examinations for a period of one year after the examination was taken.

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## Appendix 1

All doctoral programs at the CDSB consist of eight core courses and several elective courses. The elective courses shall comprise at least 19 ECTS credits with a minimum of 4 ECTS credits per elective course. Additionally, seminars in the respective areas need to be completed. In total, 36 ECTS credits at most may be obtained in Area Seminars. In the following, the program courses are specified.

### 1. Accounting & Taxation

Accounting & Taxation	ECTS	Course		ECTS
<b>First Semester</b>	<b>36</b>			<b>36</b>
Fall Semester		<b>Accounting</b>	<b>Taxation</b>	
	0	Precourse: Contemporary Research in Accounting	Precourse: Contemporary Research in Taxation	0
	6	Core: Mathematics for Economists		6
	8	Core: Advanced Microeconomics		8
	8	Core: Advanced Econometrics		8
	8	Core: Applied Methods & Tools in Accounting & Finance	Core Elective	8
	6	Area Seminar		6
<b>Second Semester</b>	<b>38</b>			<b>37-39</b>
Spring Semester		<b>Accounting</b>	<b>Taxation</b>	
	8	Core: Analytical Accounting Research	Core: Public Economics	7
	8	Core: Normative Accounting Research	Core: International Tax Law	8
	8	Core: Empirical Accounting Research	Core: Business Taxation	8
	8	Core Elective		8-10
	6	Area Seminar		6
	0	Dissertation Proposal		0
<b>Third and Fourth Semester</b>	<b>39</b>			<b>39-43</b>
	24	Electives		24-28
	3	English Academic Writing Course		3
	12	2 Area Seminars		12
<b>Fifth and Sixth Semester</b>	<b>12</b>			<b>12</b>
	12	2 Area Seminars		12
<b>Total ECTS credits</b>	<b>125</b>			<b>124-130</b>

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**Core Electives:**

- Applied Econometrics (ACC/TAX916)
- European Tax Law
- Measurement of Effective Tax Burdens
- Core courses out of the following tracks: Accounting, Taxation, Finance, or out of the CDSE program

**Electives:**

- Analytical
  - Corporate Finance
  - Measurement of Effective Tax Burdens
  - Advanced Microeconomics III
- Behavioral
  - Decision Theory/Behavioral Finance
  - European Tax Law
  - Experimental Accounting Research
  - Another course from the CDSE or CDSS
- Empirical
  - Corporate Finance
  - Econometrics of Financial Markets
  - Brown Bag Seminar Empirical Accounting & Tax

The electives may be chosen from other CDSB programs or even other centers of doctoral studies of the Graduate School (CDSE, CDSS) after consulting with the mentor or supervisor.

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## 2. Finance

Finance	Course	ECTS
<b>First Semester</b>		<b>36</b>
Fall Semester	Core: Discrete-Time Finance	8
	Core: Mathematics for Economists	6
	Core: Advanced Microeconomics	8
	Core: Advanced Econometrics	8
	Area Seminar	6
<b>Second Semester</b>		<b>38</b>
Spring Semester	Core: Behavioral Finance	8
	Core: Corporate Finance	8
	Core: Continuous-Time Finance	8
	Core: Econometrics of Financial Markets	8
	Area Seminar	6
	Dissertation Proposal	0
<b>Third and Fourth Semester</b>		<b>39</b>
	Electives	24
	English Academic Writing Course	3
	2 Area Seminars	12
<b>Fifth and Sixth Semester</b>		<b>12</b>
	2 Area Seminars	12
	<b>Total ECTS credits</b>	<b>125</b>

### Electives:

- Empirical Accounting Research
- Quantitative Risk Management

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### 3. Management

Management	Course	ECTS
<b>First Semester</b>		<b>34</b>
Fall Semester	Core: Fundamentals of Non-Profit Management Science	8
	Core: Advanced Microeconomics	8
	Core: Mathematics for Economists	6
	Core: Crafting Social Sciences Research	6
	Area Seminar	6
<b>Second Semester</b>		<b>38</b>
Spring Semester	Core: Advances in International Management	8
	Core: Applied Econometrics in Management Research	8
	Core: Advances in Strategic Management	8
	Core: Advanced Organization Theories	8
	Area Seminar	6
	Dissertation Proposal	0
<b>Third and Fourth Semester</b>		<b>39</b>
	Electives	24
	English Academic Writing Course	3
	2 Area Seminars	12
<b>Fifth and Sixth Semester</b>		<b>12</b>
	2 Area Seminars	12
<b>Total ECTS credits</b>		<b>123</b>

#### Electives:

- Methods Classes
  - Regression Analysis
  - Experimental Design
  - Survey Methodology
  - Workshop on Qualitative Research in Management Science
  - Econometrics I, II, III
  - Applied Econometrics in Management Research
  - Corporate Governance Systems
- Theory Classes
  - Advanced Microeconomics III
  - Financial Contracting Theory
  - Corporate Finance
  - Decision Theory/Behavioral Finance
- Classes addressing relevant Management topics
  - Markets and Strategies I and II
  - Social Psychology
  - Education and Labor Markets
  - Democracy and Multi-Level Governance
  - Agent-Based Modeling

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#### 4. Marketing

Marketing	Course	ECTS
<b>First semester</b>		<b>36</b>
<b>Fall Semester</b>	Core: Fundamentals of Marketing Research	8
	Core: Mathematics for Economists	6
	Core: Advanced Microeconomics	8
	Core: Advanced Econometrics	8
	Area Seminar	6
<b>Second Semester</b>		<b>38</b>
<b>Spring Semester</b>	Core: Advanced Statistical Analyses	8
	Core: Marketing Theories	8
	Core: Consumer Behavior	8
	Core: Advances in Marketing Research	8
	Area Seminar	6
	Dissertation Proposal	0
<b>Third and Fourth Semester</b>		<b>39</b>
	Electives	24
	English Academic Writing Course	3
	2 Area Seminars	12
<b>Fifth and Sixth Semester</b>		<b>12</b>
	2 Area Seminars	12
	Total ECTS credits	125

#### Electives:

The electives may be chosen from other CDSB programs or even other centers of doctoral studies of the Graduate School (CDSE, CDSS) after consulting with the mentor or supervisor.

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## 5. Operations & Information Systems

<b>Operations &amp; Information Systems</b>	<b>Course</b>		<b>ECTS</b>
<b>First Semester</b>			<b>36</b>
Fall Semester	<b>Operations</b>	<b>Information Systems</b>	
	Core: Epistemological Foundations of Information Systems & Operations		8
	Core: Optimization and Heuristics		8
	Core: Mathematics for Economists		6
	Core: Selected Topics in Nonlinear Optimization	Core: Fundamentals of Design Science Research	8
	Area Seminar		6
<b>Second Semester</b>			<b>38</b>
Spring Semester	<b>Operations</b>	<b>Information Systems</b>	
	Core: Simulation		8
	Core: Dynamic and Stochastic Models	Core: Qualitative Research Methods in Information Systems	8
	Core: Research Seminar Operations Management & Operations Research	Core: Information Systems Theories	8
	Core: NN	Core: Applied Ecocometrics	8
	Area Seminar		6
	Dissertation Proposal		0
<b>Third and Fourth Semester</b>			<b>39</b>
	Electives		24
	English Academic Writing Course		3
	2 Area Seminars		12
<b>Fifth and Sixth Semester</b>			<b>12</b>
	2 Area Seminars		12
<b>Total ECTS credits</b>			<b>125</b>

### Electives:

- Information Systems
  - Context-Aware Computing
  - Human Computer Interface Design
  - Qualitative Research Methods
  - Crafting Social Sciences Research
  - Computer Science Course
- Operations
  - Supply Chain Management
  - Game Theory

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