



Research School for Operations  
Management and Logistics

## **Requirements for PhD students who started before September 1, 2012.**

Workload: 960 hours. 1 ECTS is for participating, presenting and being discussant at the Beta Conference. For conversion 1 ECTS = 28 hours.

The following two courses are compulsory:

- Research Perspectives on Operational Processes (RPOP) provided by Beta, 2 ECTS / Research Perspectives of Operations Management provided by Beta, 1 ECTS

The purpose of the course is to teach the PhD students how to position their research within the field of operations management, and to get familiar with the typical research problems and methods.

- Writing Articles and Abstracts in English provided by TU/e DPO training support, 4 ECTS or an alternative course on writing scientific English

This course aims to facilitate the improvement of your scientific writing skills in order to reach a publishable standard in your discipline. During the course, you must be able to write and submit an academic article suitable for publication in a journal or for inclusion in conference proceedings, so it is important that you have the necessary data on which to base your article.

Additional courses must be at PhD level. In exceptional cases, a course program may include a course at a Master's level. A PhD course aims to familiarize students with the state-of-the-art in research as to identify future research directions, while a Master's course may be geared more towards application of research to practical problems. Therefore, the inclusion of a Master's course in the PhD course program should be an exception, and requires clear motivation of the scope and level of the course. Courses at Master's level may be included for no more than 25% of the workload of the entire PhD program. Please provide the following information in addition to the regular information that needs to be provided for all courses:

- Motivate why a PhD course has not been selected for this particular topic
- Names of instructor
- Topics covered
- Course organization (such as number of meetings, and group size)
- Literature used for the course
- Type of examination

Sometimes a Master's course is strongly oriented towards research and is already of the same level as PhD courses. This may, for example, be the case if it is part of the honor's program and goes beyond "normal" Master's courses, or because a course largely overlaps (same literature and exercises, same instructor) with a PhD course that is, for example, offered by LNMB. This provides the strongest motivation for selecting a Master's course (first point above).

Summer and winter schools may be included in the program, but only after approval by Beta's education officer, as only summer and winter schools at PhD level and with a substantive program will be approved. So all summer and winter schools have to be submitted to Beta before participation.