

DEPARTMENT OF INDUSTRIAL ENGINEERING AND MANAGEMENT

## TU-0.3300 Scientific Writing I, 4 cr

### Description

This course is intended to doctoral students in industrial engineering and management. The purpose of this course is to explore scientific writing techniques to gain the knowledge and skills necessary to be successful in writing research papers and to get research articles published in appropriate publication outlets. The techniques taught will be applicable to researching and writing articles for publication in journals and conferences in the student's field of study. The course will also explore techniques and tips that are appropriate for larger works, such as the doctoral thesis, and other scholarly contributions, such as book chapters.

The course is designed and structured to include both formal guidance (lecture style and interactive sessions) combined with workshop type classes that will be of practical support to students' writing.

The course is intended for doctoral students in the early and mid stages of the research process, students who are writing their first papers for publication or conference presentation, or those who would like some practical guidance on improving their writing or overcoming writing blocks.

The course is suitable for students who already have accessed relevant literature. It would be of benefit if students have collected and at least partly analyzed the empirical data, but students who have not yet collected empirical data can also benefit.

The focus of this course is on writing and getting published; research designs or methods will not be covered.

Time: The course will include four double afternoon sessions, and individual assignments.

Sessions are held on Thursdays as follows (place: TUAS house, Otaniementie 17, Espoo):

Thursday, 12<sup>th</sup> February: 1300 – 1700 (room 1021)

Thursday, 26<sup>th</sup> February: 1300 – 1700 (room 1171)

Thursday, 26<sup>th</sup> March: 1300 – 1700 (room 1021)

Thursday, 9<sup>th</sup> April: 1300 – 1700 (room 1021)

Note: The period between the first two and final two sessions is a writing period. Students will be expected to engage in writing (perhaps in a writing support group) and present preliminary draft work for workshop discussion and development

Final assignment deadline to be agreed

Instructors: PhD James Collins

Enrolment:

Doctoral students should enroll on the course by Jan 30, 2015, by e-mailing [heini.ikavalko@aalto.fi](mailto:heini.ikavalko@aalto.fi). In this email, students should include their name, student number, home university, research field, and supervising professor. The number of participants will be limited to 12, on the basis of the students' fit with the course profile (instructors make the decision).

Requirements:

To complete the course, each student must:

Attend the classes and participate actively, familiarize themselves with the provided readings and complete the given exercises and assignments in the classes

Submit the final written assignment to the instructors for evaluation on the scheduled due date

Course Readings:

Readings are announced to the participating students during the course.