

# Scientific Writing in the fields of Operations Research & Management Science

## Course Instructor

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## Application & Organization

**Where:** TUM Main Campus, room to be defined  
**When:** April 27<sup>th</sup>, Mai 15<sup>th</sup>, June 1<sup>st</sup>  
**Prerequisites:** Each participant is required to submit a working paper, which will be used during the course for hands-on exercises  
**Apply:** Please send an e-Mail with a short application request that includes your name and the title of a working paper that you will bring to the course. **Application deadline** is **April 17<sup>th</sup>**. Places are limited and will be assigned based on fit and in case of a tie by first-come first-serve.  
**Workload:** 3 ECTS

## Aims & Scope

This course targets PhD students and Post Docs and offers guidance on how to write high quality papers, targeted at top journals (e.g., Operations Research, Management Science, POM, MSOM, Transportation Science, ...) in the field of Operations Research and Management Science. Among others, we will discuss strategies and methodologies on how to structure and organize papers, how to use proactive writing to anticipate referee criticisms, as well as a diverse toolset on how to convey your research's main findings. The course contains a mix of lectures and hands on exercises for which students are required to bring a (not necessarily finished) working paper to the first meeting. Ultimately, the course prepares students to convey their research findings in a profound and at the same time comprehensive manner that enables them to prepare publications that are submittable to top-level journals in the field.

## Objectives

After this course, students understand the basic concepts to structure and write a top-quality scientific paper. They are able to identify potential weaknesses of their own work and to anticipate reviewer criticism. Moreover, they know how to rigorously communicate research findings.

Students learn how to write a top-quality paper and acquire best practices to do so. Moreover, they acquire the ability to analyze papers and to identify and improve potential weaknesses  
By attending this course, students learn how scientific work is perceived and evaluated by peers, which allows them to communicate their research clearly and successfully.

## Schedule

April 27 <sup>th</sup> 9:00 – 18:00	Introduction, Lecture & Discussion
May 15 <sup>th</sup> 9:00 – 18:00	Intermediate Discussion & Feedback
June 1 <sup>st</sup> 9:00 – 18:00	Presentation, Final Feedback & Wrap Up

## Readings

Schimel, J. (2011) Writing Science: How to Write Papers That Get Cited and Proposals That Get Funded  
Cochrane, J. (2005) Writing Tips for PhD students