



Recommendation for Dissertations including Scientific Manuscripts with Co-Authors

The Faculty of Science offers the possibility either to write a cumulative dissertation (based on published manuscripts) or to write a monograph. As precondition for a cumulative dissertation, you need at least two accepted manuscripts for publication. Please refer to the document "Recommendations for Cumulative Dissertations" for further information.

If there are less than two accepted manuscripts for publication included, a cumulative doctoral thesis is not possible. However, it is possible to integrate individual chapters with co-authors in monographs – including (not yet published) manuscripts.
Generally, the following points must be observed:

1. This form only applies to the departments of **Biology, Computer Science, Geosciences, Mathematics, Pharmacy and Biochemistry, Physics, Psychology** and the subjects **Bioinformatics** and **Didactics**.
2. The supervisors (doctoral committee) need to approve of the integration of scientific manuscripts with co-authors in the dissertation.
3. Everyone involved in the research process and writing of the thesis must explicitly be mentioned, and his or her contributions need to be marked as such. In particular, this applies if the research results have already been written down in a context other than the dissertation.
4. Please include a complete declaration (separate sheet of paper) on the contribution of others, including the names of the contributors, their parts in the overall project, and the relevance of your own part to the collective work. This declaration needs to be signed **by your supervisor** and must be submitted together with the application for admission. You can also use the tables and texts you included at the beginning of all co-authored chapter for that purpose, printed out on a separate sheet of paper, signed by your supervisor (see point 5).
5. Guidelines regarding the declaration of contributions:

Please clearly state and mark the contributions of co-authors at the beginning of each chapter. You can do so either using a table or written explanations.

If you use a table for your declaration, it should have the following form:

Author	Author position	Scientific ideas %	Data generation %	Analysis & interpretation %	Paper writing %
Titel of paper:					
Status in publication process:					

6. If you include already published manuscripts, please cite the publication in your dissertation accordingly.
7. Any content overlaps between chapters due to included manuscripts with co-authors must be indicated accordingly.

Possible structure of a monograph including manuscripts:

- Title page (template see webpage)
- Table of content
- List of tables
- Abbreviations
- Summary/Abstract in German and English
- Introduction
- Framework (relevance and theory) (if applicable)
- Materials and methods (if applicable)
- Manuscript 1
- Manuscript 2
- ...
- Further chapters including research results that have not yet been formulated in form of manuscripts
- Results and discussion
- Conclusion
- Bibliography

Differences to (ordinary) monograph:

This type of dissertation allows to include manuscripts (literally) as whole chapters in your monograph, although you have not written them completely on your own. Of course, you can also write an ordinary monograph and include contents of (already published) manuscripts with co-authors. Please take care to cite the manuscripts correctly and to refer to all contributions made by other persons. Please discuss the type of dissertation with your supervisors before starting the writing process.