

# Guidelines: Final Project Paper



Sofia University

- **Final Project Paper (*due Jan 23*): 50 % of final grade**
  - **Abstract:** concise summary of your project paper: what you do, how you do it, what are the punchline results; why should the reader care/read about your study?
  - **Introduction:** place the problem in a larger context; explain any prerequisite knowledge required for the topic but limit additional explanations only to essentials. Give a complete description of the optimization problem you want to study (without reference to RL); explain why RL is the right tool to study it. Add one brief paragraph on the key findings of your paper.



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  - **Methods:** place the problem within the RL framework. Define state, action, and reward spaces. Define/describe the environment. Define and explain the algorithm(s) used (both the RL algorithms and any deep learning / ML architectures).
  - **Results:** present and describe the main results. Discuss and evaluate your results using scientific methods and reasoning based on the data presented in the figures.
  - **Conclusion and Outlook:** a one-paragraph summary of your paper. Give explicitly the take-home messages. What is the scientific value of your paper: how does it advance the field, which new directions does it open, etc.



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  - Text formatting:
    - use LaTeX template (or make sure your template has the same font size, font style and margin sizes, etc.)
    - can either use `\section{}` or start paragraphs with a heading in bold-face and italic.
  - Figures: typically no more than 4 figs in total (no formal restriction)
    - each fig can either spread over both text columns or a single column.
    - make sure the font size on the axis ticks and labels is not abnormally large or small. It must be clear from the paper how these results can be reproduced.
    - captions should speak for themselves and contain the main message of the figure.



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  - **max page limit of final paper: 5 pages**
    - includes title, abstract, text body, figures, charts, tables, equations, etc.
    - only references are allowed to exceed the 5-page limit (there is no limit on the max number of references)



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  - **Misc:**
    - you should follow your proposal plan but you may deviate from it (e.g., in case you get an interesting idea to try out, etc.)
    - in the Acknowledgement section **include a link to an online repository, where your code is stored**. You may use, e.g. GitHub; add a README.md to explain how to run it.
    - your paper will be read and evaluated by your peers in a double-blind review format (**see Peer Review instructions**); make sure it is written so it is understandable to them (if the referee doesn't understand what the paper is all about, they may evaluate it poorly)
    - **do NOT put author names**. The peer review process is double blinded (reviewers don't know authors and vice-versa).