

CSE203B Convex Optimization: Project Outline and Final Report

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Outlines

- I. **Headline: 1. title, 2. team members, 3. tasks assignment**
- II. **Introduction: 1. motivation, 2. previous works, 3. intended contributions (wish list), 4. organization of the paper**
- III. **Statement of the Problem**
 - I. **Primal formulation**
 - II. **Dual formulation**
 - III. **KKT conditions**
- IV. **Intended Approaches**
- V. **Conclusion: conjectured results, conclusion, and possible future works**
- VI. **References: 5+ references**

The purpose of the outlines is to formalize the project process. You may change the direction of the project later as the project progresses.

Red font items: grade by completion. Use one sentence on each (sub)item (references may take more lines).

Black font items: A placeholder is to be filled in the project report.

Final Report: Grading policy with emphasis in red font (20 points in total)

- I. Headlines: 1. title (reflection of the content), 2. team members, 3. tasks assignment (task fulfillment by team members) 2 points.
- II. Introduction: 1. motivation, 2. previous works, 3. intended contributions, 4. organization of the paper (contributions vs. previous works) 2 points.
- III. Statement of the Problem 6 points
 - I. Primal formulation, (2 points)
 - II. Dual formulation, (2 points)
 - III. KKT conditions, (2 points)
- IV. Approaches (quality of choice, novelty, computational complexity) 4 points
- V. Results (quality of the results), Conclusion & Potential Future work 4 points
- VI. References (key papers) 2 points.