

# CSE203B Convex Optimization: Project Outline and Final Report

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# Outlines:

- I. Head lines: 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
  - II. Dual
  - III. KKT conditions
- IV. Intended Approaches
- V. Conjectured Results, Conclusion & Possible Future works
- VI. References

No more than one page. Use one sentence on each (sub)item (references may take more lines). Red font: grade by content, Black font: grade by completion

# Outlines: Grading policy with emphasis in red font (5 points in total)

- I. Head lines: 1. title (**key words**), 2. team members, 3. tasks assignment (**fair job partition**) **1 point**.
- II. Introduction: 1. motivation (**clear explanation**), 2. previous works, 3. intended contributions (wish list), 4. organization of the paper **1 point**.
- III. Statement of the Problem (**relevance to the class**) **1 point**
  - I. Primal
  - II. Dual
  - III. KKT conditions
- IV. Intended Approaches (**relevance to the class**) **0.5 point**
- V. Conjectured Results (**clarity of the goal**), Conclusion & Possible Future works **0.5 point**
- VI. References (**coverage and quality of the references e.g. key players, publishers, span of the years from very early stage to the most recent.**) **1 point**.

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

- I. Head lines: 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) 4 points.
- III. Statement of the Problem 4 points
  - I. Primal formulation
  - II. Dual formulation
  - III. KKT conditions
- IV. Approaches (quality of choice, novelty, computational complexity) 4 points
- V. Results (quality of the results), Conclusion & Possible Future works 4 points
- VI. References (key papers) 2 points.