

Computational Optimization - MSc AIDA UoM

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The goal of the first programming assignment involves creating a program (parser) that will read various instances of problems, for some of the following – indicative – problems (as well as various variations of them). You can print the data you read either in the command window or to a new output file. You may use available known collections of benchmark problems, for various categories of optimization problems.

- Traveling Salesman Problem (TSP)
- Vehicle Routing Problem (VRP)
- P-location (p-median, p-center, etc.) problem
- Minimum Labelling Spanning Tree Problem
- Constrained Shortest Path Problems
- Location Problems (p-median, p-center, etc.)
- Job Shop Scheduling Problems
- Knapsack problems