Marking Guide and Criterion List

Assignment Two 2017 IFN680

- **Report**: 10 marks
  - Structure (sections, page numbers), grammar, no typos.
  - Clarity of explanations.
  - Figures and tables (use for explanations and to report performance).

Levels of Achievement

10 Marks	**7 Marks**	**5 Marks**	**3 Marks**	**1 Mark**
Report written at the highest professional standard with respect to spelling, grammar, formatting, structure, and language terminology.	Report is very-well written and understandable throughout, with only a few insignificant presentation errors.	The report is generally well-written and understandable but with a few small presentation errors that make one of two points unclear. Clear figures and tables.	Large parts of the report are poorly-written, making many parts difficult to understand. Use of sections with proper section titles. No figures or tables.	The entire report is poorly-written and/or incomplete and/or impossible to understand. The report is in pdf format.

To get "i Marks", the report needs to satisfy <u>all the positive items and none of the negative items</u> of the columns "j Marks" for all j<i. For example, if your report is not in pdf format, you will not be awarded more than 1 mark.

- **Code quality**: 10 marks
  - Readability, meaningful variable names.
  - Proper use of Python constructs like numpy arrays, dictionaries and list comprehension.
  - Header comments in classes and functions.
  - Function parameter documentation.
  - In-line comments.

Levels of Achievement

10 Marks	**7 Marks**	**5 Marks**	**3 Marks**	**1 Mark**
Code is generic. Minimal changes would be needed to run same experiments on a different dataset.	Proper use of numpy array operations. Avoid unnecessary loops. Useful in-line comments. Code structured so that it is straightforward to repeat the experiments	No magic numbers (that is, all numerical constants have been assigned to variables). Appropriate use of auxiliary functions. Each function parameter documented (including type and shape)	Header comments with instructions on how to run the code to repeat the experiments.	Code looks like a random spaghetti plate

To get "i Marks", the report needs to satisfy all the positive items and none of the negative items of the columns "j Marks" for all j<i.

- **Experiments** 20 marks

Levels of Achievement

20 Marks	**15 Marks**	**10 Marks**	**5 Marks**	**0 Mark**
Successfully train a CNN based Siamese network on the warped dataset in two phases. First small warps, then larger deformations.	The recommendations are supported by references to tables and/or figures. Successfully train a CNN based Siamese network on the warped dataset	Methodology, experiments and recommendations are clear. Successfully train a CNN based Siamese network successfully on the original (not warped) dataset	Partial description of the experiments. Critical information is missing to repeat the experiments.	No experiments described in the report.

To get "i Marks", the report needs to satisfy <u>all the positive items and none of the negative items</u> of the columns "j Marks" for all j<i.