

## AE4423 - Airline Planning and Optimization

### Assessment matrix for Assignment 1 – 2024/2025

Question 1 – 50%					
Criteria	Incorrect	Not sufficient	Satisfactory	Good	Very good
<b>Modelling</b>	The model is not presented or there are major formulation errors	The model is incomplete, contains major errors or is not discussed in sufficient detail.	The model is incomplete, and/or there are major errors in the mathematical formulation and/or discussion	The model is complete, but minor errors are found in the mathematical formulation or discussion	The model is complete, mathematically correctly formulated and discussed in sufficient detail
<b>Results – Demand forecast</b>	No results are presented, or the methodology and results include major errors	The methodology used is not explained. The results are presented but they have significant errors	The methodology explained seems appropriate. The results have a minor deviation from the expected result	The methodology explained is correct. The results are according to the expected results	The methodology explained is correct. The results are presented attractively and are according to the expected results
<b>Results – Network &amp; frequencies</b>	No results are presented, or the results include major errors	Only part of the results is presented, or the results have significant errors	The results are presented with a minor deviation from the expected result	The results are presented and are according to the expected result, using different KPIs.	The results are presented attractively and are according to the expected results, using different KPIs.
<b>Results – analysis &amp; critical assessment</b>	No discussion or analysis of results is provided	Results are briefly discussed, but no further analysis is provided	Results are discussed, but no further analysis or critical assessment is provided	Results are discussed and analyzed, with limited critical assessment of the results and model is provided	The results are clearly discussed and analyzed, and a good critical assessment of the results and model is provided

Question 2 – 40%					
Criteria	Wrong or missing	Not sufficient	Satisfactory	Good	Very good
<b>Model</b>	The model is not presented or there are major formulation errors	The model is incomplete, contains major errors or the methodology adopted is not discussed in sufficient detail.	The model is incomplete, and/or there are major errors in the mathematical formulation and/or the discussion of the methodology adopted is incomplete	The model is complete, but minor errors are found in the mathematical formulation or the discussion of the methodology adopted could be improved	The model is complete, mathematically correctly formulated and the methodology adopted is discussed in good detail
<b>Results – initial RMP</b>	No results of the initial RMP are presented or the results include major errors	The results of the initial RMP are presented with significant errors from the expected result or not all KPIs asked are presented	The results of the initial RMP are presented with a major deviation from the expected result and all KPIs asked are presented	The results of the initial RMP are presented with minor deviation from the expected result and all KPIs asked are presented	The results of the initial RMP are presented and are according to the expected results and all KPIs asked are presented
<b>Final Results</b>	No results of the initial RMP are presented or the results include major errors	The results of the final RMP are presented with significant errors from the expected result or not all KPIs asked are presented	The results of the final RMP are presented with major deviation from the expected result and all KPIs asked are presented	The results of the final RMP are presented with minor deviation from the expected result and all KPIs asked are presented	The results of the final RMP are presented and are according to the expected results and all KPIs asked are presented
<b>Results – analysis and critical assessment</b>	No discussion or analysis of results is provided	Results are briefly discussed, but no further analysis is provided	Results are discussed, but no further analysis or critical assessment is provided	Results are discussed and analyzed, with a limited critical assessment of the results and model	The results are clearly discussed and analyzed, and a good critical assessment of the results and model is provided

Reporting – 10%				
Wrong or missing	Not sufficient	Satisfactory	Good	Very good
The report does not fulfil basic requirements in terms of structure, content, grammar, layout and clarity. It is a poor document, illogical structure, no or irrelevant arguments. Grammar and spelling are so poor that they make the document unreadable.	The report hardly fulfils basic requirements in terms of structure, content, grammar, layout and clarity. Poorly expressed, argumentation often replaced by assumption or assertion or omitted. Structure and transitions need considerable improvement, and the document contains serious spelling and grammar errors.	The report fulfils basic requirements in terms of structure, content, grammar, layout and clarity. Reasonably expressed, argumentation sometimes replaced by assumption or assertion. Structure and transitions need improving and the document contains quite a few spelling and grammar errors.	The report fulfils all requirements in terms of structure, content, grammar, layout and clarity. Expressed well, and with a clear structure. Arguments could be improved. The document has a good flow. Transitions sometimes not very effective. The document contains some spelling and grammar errors.	Very good report in terms of structure, content, grammar, layout and clarity. Clear and persuasive and well-structured document. The document has a smooth flow with effective transitions, with only minor spelling and grammar errors