# AE4423 - Airline Planning and Optimization

Assessment matrix for Assignment - 2020/2021

| Question | Criteria | Wrong or missing | Not sufficient | Satisfactory | Good | Very good |
|---|---|---|---|---|---|---|
| **Problem 1** | **Modelling** | 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 |
| | **Results – Demand forecast** | 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 |
| | **Results – network & frequencies** | 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 minor deviation from the expected result | The results are presented and are according to the expected results | The results are presented in an attractive way and are according to the expected results |
| | **Results – Network & frequencies** | 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. |

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| | **Results – analysis and critical assessment** | 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 | The results are clearly discussed and analyzed, and a good critical assessment of the results and model is provided |

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| **Problem 2** | **Model** | The model is not presented or there are major formulation errors | The model is incomplete, contains major errors or the methodology adopt 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 |
| | **Results – initial RMP** | 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 |
| | **Final Results** | 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 |
| | **Results – analysis and critical assessment** | 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 |

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| Reporting | Overall report quality | 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. |