Regulation Selection Criteria and Procedure
For the bachelor programme Aerospace Engineering

The Dean of the Faculty of Aerospace Engineering establishes the following regulation, respecting the
Selection Criteria and Placement Regulations of the Executive Board and after advice of the Faculty Student
Council
of the Faculty of Aerospace Engineering.

1. General regulations
   I. A candidate may participate up to 3 times in the selection procedure of the bachelor programme
      Aerospace Engineering. A candidate can only participate once per academic year.
   II. The obtained ranking number is only valid during the selection and admission procedure preceding that
       specific academic year. It is not possible to use obtained ranking numbers for later academic years.
   III. The execution of this regulation is appointed to the Education and Student Affairs Department of the
        Faculty of Aerospace Engineering.
   IV. All candidates must register in Studielink before the deadline of 15 January 2020.
   V. Candidates without a Dutch pre-university diploma (VWO) must also register in Osiris (osiaan.tudelft.nl)
      and answer the questions and upload the required documents before the deadline of 15 January 2020.
   VI. Failing to register in time will mean that the candidate will not be included in the selection procedure.
   VII. Participating in the selection procedure (or receiving a ranking number) does not automatically mean
       that a candidate meets the stated prerequisites for admission, such as the right prior education.
       Verifying entry requirements, such as prior education, is outside the scope of the selection procedure.
   VIII. When offered a place for the bachelor programme Aerospace Engineering, the candidate has 14 days to
        accept this offer in Studielink. In case the offer is not accepted in Studielink within that time, the
        reserved spot will be made available for the next candidate in line (next ranking number waiting).
   IX. Non-EU candidates that need services (a visa/residence permit in order to enter the Netherlands;
       housing accommodations; a bank account etc.) can only be supported in their application procedure by
       the TU Delft when they are offered a place before 15 June 2020. After this date it is too late to
       successfully complete all required steps in the registration process.
   X. Candidates will be informed via email about their final score and ranking number no later than 15 April
      2020.
   XI. Candidates who have previously been enrolled in the bachelor programme Aerospace Engineering but
       who discontinued their studies due to a negative BSA have to (re-)participate in the selection procedure
       before being able to re-enrol.

2. Selection criteria
   I. Selection for the bachelor programme Aerospace Engineering is based on two criteria, i.e. Motivation
      and Academic Performance. Several steps are defined to select candidates, some of which are not
      necessarily linked to a single selection criterion, but are part of the selection procedure.
3. Selection procedure

3.1 Selection method

General method

I. The email addresses used in the selection procedure will be equivalent to the email addresses used for the Studielink registration by the candidates.

II. The Motivation and Academic Attitude Questionnaire, and each of the three sections of the Academic Test, will individually count for ¼ of the final selection score. This means that the Motivation and Academic Attitude Questionnaire will count for ¼ and that the Academic Test will count for ¼ of the final selection score.

III. Candidates need to complete all steps in the selection procedure in order to receive a ranking number. Failure to complete each step can result into being excluded from the final ranking.

IV. The ranking number of a candidate is determined by his/her final selection score, compared to other candidates. Higher final selection scores result in better (= lower) ranking numbers.

Step 1 – The Mini-MOOC

I. The mini-MOOC “Introduction to the Bachelor’s Aerospace Engineering at TU Delft” is a 3-hour online introductory course. All candidates that have completed the mini-MOOC by 31 January 2020 will be invited via email to complete the next steps of the selection procedure.

II. Failure to complete the mini-MOOC by 31 January 2020 will result into exclusion from the selection procedure. Candidates that are excluded from the selection procedure will be informed via email after 31 January 2020.

Step 2 – The Motivation and Academic Attitude Questionnaire

I. The Motivation and Academic Attitude Questionnaire assesses the motivation of the candidate. The results on the questionnaire will be used to score the first criterion (i.e. Motivation).

II. The results for the criterion Motivation will count for ¼ of the final selection score.

Step 3 – The Academic Test

I. The Academic Test assesses the academic abilities of the candidate. The results for the Academic Test will be used to score the second criterion (i.e. Academic Performance).

II. The Academic Test consists of three sections, i.e. mathematics, physics and first-year material of Aerospace Engineering.

III. Each section will count for ¼ for the final selection score.

IV. Each section of the Academic Test can be made only once.

V. There will be more questions in each section of the Academic Test than (most) candidates can complete within the time set for that specific section. The score on a specific section, for each individual candidate, will be determined by comparing his/her score with the scores of fellow candidates.

Step 4 – The Self-Reflection

I. Candidates must reflect on their application by answering two self-reflection questions.

II. In case two (or more) candidates have exactly the same final selection score on the combined criteria of Motivation and Academic Performance, the Self-Reflection will be used to determine the final ranking amongst these candidates (that have scored the same). This is a subjective evaluation, based on the candidate’s reflection on his/her motivation to pursue the bachelor programme Aerospace Engineering and his/her reflection on the TU Delft Code of Honour.
3.2 Selection measures

**Step 1 – The Mini-MOOC**

I. Completing the mini-MOOC "Introduction to the Bachelor’s Aerospace Engineering at TU Delft" is mandatory in order to be included in the selection procedure.

II. The mini-MOOC is available all-year round.

III. Candidates ideally complete the mini-MOOC before the registration deadline of 15 January 2020. Candidates who have not completed the mini-MOOC by this date, will receive a single reminder via email in the week after the registration deadline and will be given the opportunity to complete the mini-MOOC until 31 January 2020.

IV. Candidates that completed the mini-MOOC before the application deadline will be informed in the week after 15 January 2020 that they are included in the selection procedure (provided all criteria under section "I. General regulations" have been met). There are no further actions required from these candidates until February 2020.

V. Before 15 January 2020, there will be no confirmation email that the mini-MOOC is completed for the candidates.

VI. Validating the completion of the mini-MOOC will be based on candidates’ email addresses. It is urged that candidates use the same email address for both the mini-MOOC and registration in Studielink. In case the email address used in Studielink and the email address for the mini-MOOC differ, candidates can also provide a screen shot of their Progress Report in the mini-MOOC, including their used email address. This must be done after they receive the reminder to complete the mini-MOOC, and no later than 31 January 2020.

VII. Performance in the mini-MOOC will not be used for determining the final selection score.

**Step 2 – The Motivation and Academic Attitude Questionnaire**

I. All candidates that have completed the mini-MOOC by the deadline of 31 January 2020 will be invited in the first week of February to complete the Motivation and Academic Attitude Questionnaire. The invitation contains the necessary information to access the online selection portal.

II. All sections of the Motivation and Academic Attitude Questionnaire are compulsory.

III. The Motivation and Academic Attitude Questionnaire must be completed no later than 21 February 2020.

IV. Determination of the total score for the criterion Motivation will include matching of the candidates answers with those of a reference group consisting of successful Aerospace Engineering students.

**Step 3 – The Academic Test**

I. In February, candidates receive a login code and link to the first-year material (including practice questions) that they can study in preparation for the First-Year Material section of the Academic Test.

II. Candidates will be informed via email that the Academic Test is available from 28 February 2020.

III. Each section of the Academic Test can be taken once at any time until the deadline of 16 March 2020. Once candidates start a section, they must complete that section.

IV. Candidates can go forward and backward in the test. With respect to sequencing the questions, it is aimed that questions become gradually more difficult as that section of the Academic Test progresses.

V. The time for each section is limited. The maximum time per section is communicated beforehand, and a counter showing the remaining time will be visible during the test.

VI. Candidates that are diagnosed with learning disabilities and/or have extenuating circumstances can request extra time for sections of the Academic Test by contacting disability@tudelft.nl (in case of dyslexia) or selection.AF@tudelft.nl (other circumstances). This must be done no later than 15 February 2020.

VII. The following items are allowed to be used during the Academic Test: a dictionary, identity card/passport, provided formula sheets, provided guidelines for entering answers, (blank) paper in single sheets, pencils/pens, scientific calculator. A graphing/programmable calculator is not allowed, nor is a calculator with internet connection, nor is a calculator with differentiation or integration abilities, and nor is a calculator on a mobile phone, tablet or second computer allowed.

VIII. The Academic Test is online proctored, which means that candidates are ‘followed’ online to check whether the test is completed under the correct conditions. Candidates receive a Quick Guide about
online proctored exams. This guide describes the strict regulations that candidates need to follow when taking the Academic Test. In general, a candidate must take sections of the Academic Test as under regular (Dutch) exam settings.

IX. By taking the online proctored test, candidates agree upon making and monitoring video recordings, keystrokes, and screenshots. An examiner will have access to this data to judge if the test was completed according to the regulations. Collected data will only be used for this purpose.

X. Candidates can also take (sections of) the Academic Test on the TU Delft campus at no extra costs. The exact time, date and location will be communicated through email during the selection procedure. This also allows candidates without the necessary resources, or who have principal issues against online proctoring, to take the Academic Test. Candidates must apply by email (selection-ae@tudelft.nl) to register for this opportunity.

XI. Candidates who are flagged with suspicious behaviour and concluded to have committed fraud will be penalized, with the sanction varying from being awarded zero points on the specific section of the academic test to exclusion from the entire selection procedure, depending on the severity of the fraud. The decision about fraud and the corresponding sanction will be made by a Selection Committee, consisting of a member of the Education and Student Affairs department of the Faculty of Aerospace Engineering, a member of the Educational Management Team (in most cases; the First-Year-coordinator), and a member of the Board of Examiners of the Faculty of Aerospace Engineering.

XII. The score of each section is determined by the number of correct answers. Candidates’ scores are determined by comparison with the scores of the other applicants. Therefore, there is no fixed pass or fail grade. No feedback on the scores will be provided, except for the final results in an email that will be sent at the end of the selection procedure.

XIII. All sections of the Academic Test must be completed no later than 16 March 2020.

Step 4 – The Self-Reflection

I. The self-reflection questions are available from 1-20 March 2020.

II. In case candidates obtain exactly the same final selection score, the candidates’ self-reflections will provide the decisive ranking amongst these candidates. This will be determined by a member of the Education and Student Affairs department.

III. There is a maximum of 500 words to use for each of the self-reflection questions.

IV. The Self-Reflection must be completed after completion of the Academic Test and no later than 20 March 2020.

4. Establishing the outcome of the selection procedure and ranking

I. Candidates’ final selection scores are based on the criteria Motivation and Academic Performance, measured by the sum of the total scores of the Motivation and Academic Attitude Questionnaire and the Academic Test. Based on the final selection score, candidates are given a ranking number.

II. The total score for Motivation is based on the Motivation and Academic Attitude Questionnaire and counts for ⅓ of the total score.

III. The total score on Academic Performance is determined by the scores on the three sections of the Academic Test. Each section will count for ⅓ of the final score.

IV. The method used in the selection is aimed at achieving an equal success rate, defined by the study success in the first year of the bachelor programme, for male and female applicants.

Thus established by the Dean of the Faculty of Aerospace Engineering,

Prof. H.G.C. Werij

December 2019

Regulations and procedures: Selection for 2020 – 2021