

## **Transitional arrangements Advanced Technology 2022-2023**

Last modified: September 2022

Modules 2 and 3 have been revised in the AT curriculum of 2022-2023. This document describes the transitional arrangements for students who started AT before 2022. Students who completed all courses in modules 2 and 3 in the old curriculum, meet the requirements for these modules in the AT exam programme and do not need to read any further.

Page 1 compares sets of courses from the new curriculum, to the equivalent sets from the old curriculum, as stipulated in the Education and Examination Regulations (EER) 8.4.4.a.

Page 2 gives concrete solutions for students who completed part of the study load in a set, but still have to complete another part under the new curriculum.

### **First revision: content worth 1 EC has been moved from Vector Calculus to Calculus 2.**

The combined content of both courses remains the same, but it is distributed differently.

<b>Course(s) in 2020-2021 and 2021-2022</b>	<b>Course(s) in 2022-2023</b>
202001230 Vector Calculus (3 EC)	202200189 Vector Calculus (2 EC)
202001216 Calculus 2 (3 EC)	202200179 Calculus 2 (4 EC)
Total: 6 EC	Total: 6 EC

### **Second revision: dropped 1 EC of content in module 2, added 1 EC of content to module 3**

The former course "Structures and Properties of Materials incl. Project" is split in 2 courses: Structure and Properties of Materials (the theory part of the former course) and Project Materials (the project part of the former course, plus a new lab assignment). These 2 courses count for 7 EC together, whereas the former course was 6 EC.

In module 2, the course Thermodynamics is renamed to Classical Thermodynamics and 0.5 EC of content (statistical thermodynamics) is dropped. The course Laboratory Practice and Programming Skills 2 keeps the same name, but 1 fewer lab assignment is performed. This reduces the study load of LP&PS2 by 0.5 EC.

<b>Course(s) in 2020-2021 and 2021-2022</b>	<b>Course(s) in 2022-2023</b>
202000615 Thermodynamics (4.5 EC)	202200185 Classical Thermodynamics (4 EC)
202000616 Laboratory Practice and Programming Skills 2 (3.5 EC) <i>with 4 lab assignments</i>	202200186 Laboratory Practice and Programming Skills 2 (3 EC) <i>with 3 lab assignments</i> <i>(EAPS part is unchanged)</i>
202000619 Structures and Properties of Materials incl. Project (6 EC)	202200185 Structure and Properties of Materials (4 EC) 202200193 Project Materials (3 EC) <b><i>with new labwork</i></b>
Total: 14 EC	Total: 14 EC

The table below explains what students from cohorts 2021-2022 and older should do, if they need to pass a specific course. Discuss your plan with the study adviser first.

Failed course in previous year	Arrangement in 2022-2023
Both Calculus 2 and Vector Calculus	The student can register for 202200179 and 202200189 and take both of these courses normally. If better for the study plan, permission can be requested to instead take 202001216 and 202001230 using the transitional arrangements below.
Calculus 2	The student registers for 202001216 (not 202200179) and joins the classes. The test for 202200179 contains a question on multidimensional integration that is not part of the assessment of the transition students.
Vector Calculus	The student registers for 202001230 (not 202200189). A separate question on multidimensional integration will be formulated, that is part of the assessment of the transition students. The student can study this topic using the materials recorded on the 2021 Canvas site, and is also advised to contact the teacher at the start of the 2 <sup>nd</sup> quartile for further advice.
Thermodynamics	<p><b>Advice:</b> take 202200185 Classical Thermodynamics (4.0 EC). This course omits the statistical thermodynamics part and is thus 0.5 EC lighter. The student should solve this EC shortage later with elective courses. If SPM still has to be taken, that can also solve it (see below).</p> <p><b>Alternative option:</b> register for the old-style course 202000614 Thermodynamics (4.5 EC). The student still joins the classes and takes the tests of 202200185 Classical Thermodynamics (4.0 EC). An extra assessment covers the 0.5 EC statistical thermodynamics part that was in Thermodynamics (old style) but is no longer in Classical Thermodynamics. Students should study this topic themselves using the 2021 Canvas site.</p>
Lab practice and programming skills 2	The student takes 202200186 Laboratory Practice and Programming Skills 2 for 3 EC. Details should be discussed with Herman Hemmes.
Structure and Properties of Materials including Project	<p><b>Advice if the student has/will have 15 EC in module 2:</b> take SPM as the old-style course 202000619 for 6 EC. Depending on what parts are incomplete, participate in:</p> <ul style="list-style-type: none"> <li>- the project Materials (together with students taking 202200193, but without the new labs);</li> <li>- the theory part (together with students taking the new-style course 202200185)</li> </ul> <p><b>Advice if the student has 14 or 14.5 EC in module 2:</b> consider taking SPM in the “new style” for 7 instead of 6 EC, so that you still have 60 EC in the first year. The extra work is a lab assignment. Register for codes 202200185 (4 EC) and 202200193 (3 EC) and inform Arnoud Onnink.</p>

General arrangements (EER 8.4) in case study units are dropped from the curriculum

For dropped practical exercises: either a last opportunity will be offered to complete the exercises, or another study unit will be designated that may be completed as a substitute.

For other forms of assessment: two last opportunities will be offered. The examiner may decide to change the form of assessment, such as an oral test instead of a written test.

Transitional arrangements for earlier study programmes Advanced Technology

If you need to pass a study unit of an earlier study programme, please consult your study advisor and make an appointment by using the online planner:

<https://tnw.planner.utwente.nl/>

Validity

These arrangements are in accordance with article 7 of the programme-specific appendix to the Education and Examination Regulations (EER), and article 8.4 of the EER. These arrangements apply to the academic year 2022-2023 and are valid until the end of the academic year.