

UNIVERSITEIT TWENTE.

To: Dr. J.W. Polderman, Programme Director AM
From: Programme Committee AM (OLC-TW)

FACULTY OF ELECTRICAL ENGINEERING, MATHEMATICS AND COMPUTER SCIENCE

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OUR REFERENCE
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SUBJECT
Module 1 Structures and Models

After all the changes in the first year's curriculum, we have reviewed the description of Module 1 Structures and Models. We think it is a good module to start with. We recommend to sharpen the learning goals a bit. Specifically,

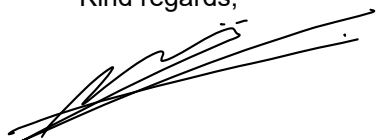
- we advice to move LaTeX and the students' own responsibility (10 & 12) in the content description. While relevant, we do not see how these can be tested. The reporting can be part of learning goal 9 about developing and interpreting.
- we suggest to sharpen the verbs for learning goals 1, 4 and 5. Replace "understand" by some something more active, e.g., "apply", and "work with" is not specific enough.
- we do not quite see what the objective is for differential equation. Is it about formulating, or should a student be able to solve them using various techniques? This can be clarified.
- we think "Complex numbers" are a goal in themselves.

A few minor comments:

- Learning goal 6 mentions Linear Algebra, but the rest of the module mentions Linear Structures I. This can be made more consistent.
- Contents line 2, after Calculus 1. Change "inclusive" to "including".
- Contents line 5, Use bold font for Calculus 1 to be consistent.
- Contents line 8, Replace "dimensial" to "dimensional" (also applies to learning goal #4)
- Contents line 17, replace "four" by "several" to be future-proof.

Also the remark about mathematics beta2 for minor students needs to be revised. A more general statement is suggested.

Kind regards,



Hil Meijer,
chair Programme Committee AM