

UNIVERSITEIT TWENTE.

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

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SUBJECT
Module 2 Mathematical Proof Techniques

After all the changes in the first year's curriculum, we have reviewed the description of Module 2 Mathematical Proof Techniques. Based on the goals, we think the module demoes really mathematical analysis. We have a few recommendations for this module.

First, the description of the contents is a mere sketch. We advice to extend this with a proper description of context and topics, and its coherence. Second, regarding the learning goals, we advice to improve the formulation. Specifically,

- it is nicer, and more consistent, to start with "a student is able to"
 - learning goals 3 & 4 are partially mentioned in Module 3 too (length of a curve, extreme values). This should be made consistent.
 - learning goal 12; the latter half ("can explain") is not specific. Can this be combined using goal 10, to apply the simplex method?
 - learning goal 15; a student can read a proof probably, but "assess the correctness of mathematical proofs" is more to the point.
 - learning goal 16; replace "in a group of 2-4 students" by "small groups" to be future-proof.
- Finally, 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