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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OLC-AM-EWI@utwente.nl	OUR REFERENCE	CC:
	EWI19/BOZ/7920/MvdK	--

SUBJECT
Content Description and Learning Goals AM-Module 3 Fields and Electromagnetism

The Programme Committee has read the new proposal for AM-Module 3 Fields and Electromagnetism. We want to give a provisionally positive recommendation, i.e. we think the small but essential changes in the learning goals need to be implemented before January 31, 2019. The Dutch meaning is "instemming m.b.t. leerdoelen indien doorgevoerd voor start van module, verder een positief advies voor de module-beschrijving". The changes mainly concern the wording of the learning goals which is incorrect or vague.

Regarding the learning goals we specifically suggest:
--line 2 Change "the student will be able to" to "the student is able to"
--Vector Calculus 1, item 1: only topics are mentioned, not what the student should do. We suggest to state " work with vector fields and the notions of gradient, curl, divergence and conservative fields."
--In the heading "Electricity en Magnetism" change "en" to "and"
--For 2 Electricity and Magnetism and 3 Project, every "can/is able to" at the start should be removed.
--fourth item, we suggest to remove "efficient" as it is already reflected by the "suitable" and "symmetric".
--For the project the second and third learning goal are too vague. We do not have a concrete suggestion, but we could imagine it should be linked more closely to the project.
--For the 4th goal of the project, it should be specified what is meant with "implementation".

Regarding the content we have several remarks:
--In a version we received earlier, the grading policy was mentioned but it is not this time. As the ECs and weights changed, we would like to be informed about the precise grading policy with weights and minimal grades.
--The part on Prooflab is missing in the Content Description. We suggest to copy it from previous modules but adapt the topics.
 --The Analytical Programming mentions "Matematika" instead of "Mathematica",

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--For the Tests, we note that there is a typo in the grading policy for Prooflab III, pass/fall instead of pass/fail.
--For the Test of Presentation Skills, we suggest to add the pass/fail policy.
--Unless it is motivated, we strongly recommend to drop the mandatory presence during lectures for Vector Calculus.

Kind regards,

Hil Meijer,
chair Programme Committee AM

PS. we note that the proposed changes have been implemented, fulfilling the provisional clause.