

UNIVERSITEIT TWENTE.

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

FACULTY OF ELECTRICAL ENGINEERING, MATHEMATICS AND COMPUTER SCIENCE

FROM
T x 31 53 489 3380
OLC-AM-EWI@utwente.nl

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OUR REFERENCE
EWI18/BOZ/7684/MvdK

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SUBJECT
Module 3 Fields and Electromagnetism

After all the changes in the first year's curriculum, we have reviewed the description of Module 3 Fields and Electromagnetism. We find it really good, but have some suggestions nevertheless.

We strongly recommend to have the grading consistent with the TER. Article 3.4 in the TER states that the highest grade counts, in contrast to the suggested last grade.

The tests mention "Vector Calculus" and "Electromagnetism", while the rest of the description mentions other names for these parts. We suggest to make this consistent.

We suggest to add the topic "conservative vector fields and potential functions" to Vector Calculus to improve coherence.

A few minor comments

- learning goals, change "will be able to" to "is able to"
- The topic's name should be in English. "Can" is superfluous (2x, also 3x for Project) , and change "instinctive" to "intuitive" and "suiting" to "suitable". We suggest to make "gains an understanding" more precise.
- We note that some learning goals (e.g. length of a curve, extreme values) have been mentioned for module 2 too. It would be good to polish this.
- In the Contents Calculus II is mentioned, which is unclear.

Kind regards,



Hil Meijer,
chair Programme Committee AM