Triantafyllou, E., Misfeldt. M. & Timcenko, O. (2016). Attitudes towards mathematics as a subject, and mathematics learning and instruction in a trans-disciplinary engineering study. *Nordic Studies in Mathematics Education*, 21 (3), 29–49.

Appendix

Table 1. Statistics on attitudes towards mathematics in fifth semester (AQ5) (n = 69)



Triantafyllou, E., Misfeldt. M. & Timcenko, O. (2016). Attitudes towards mathematics as a subject, and mathematics learning and instruction in a trans-disciplinary engineering study. *Nordic Studies in Mathematics Education*, 21 (3), 29–49.

Strongly disagree Strongly disagree Disagree 3% Disagree Neither agree nor disagre 26% Neither agree nor disagree 55% Agree 55% Agree Strongly agree Strongly agree 10% 20% 30% 40% 50% 60% 0% 10% 20% 30% 40% 0% 60% 50% 1. In mathematics you get rewards for your effort. 2. I get a sense of satisfaction when I solve mathematics problems. Strongly disagree Strongly disagree-1% Disagree Disagree<mark>- 4%</mark> Neither agree nor disagre 32% Veither agree nor disagree 36% 53% Agre Agree Strongly agree Strongly agree 20% 10% 30% 40% 0% 10% 20% 30% 40% 50% 60% 3. I enjoy doing mathematics. 4. I need mathematics in my studies. Strongly disagree Strongly disagree Disagree-1% Disagree Neither agree nor disagree 11% Neither agree nor disagree 26% 46% 52% Agree Agree Strongly agree Strongly agree 10% 20% 30% 40% 50% 20% 30% 40% 60% 10% 50% 5. Mathematics is useful in real life. 6. I can get good results in mathematics.

Table 2. Statistics on attitudes towards mathematics in fourth semester (AQ4) (n = 106)

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Table 3. Statistics on learning preferences in mathematics in fourth semester (part of AQ4) (N = 106)

