

**Table 1. Questions**

<b>Q1, gender</b>	1 = male, 2 = female. (3 occurrences of "Not answered" (0) changed to median value 1).
<b>Q2, study programme</b>	1 = computer science, 2 = communication technology, 3 = "frie studier", 4= other.
<b>Q4, time used on other computer games</b>	1 = 0 hours, 2 = 1-2 hours, 3 = 3-4 hours, 4 = 5-10 hours, 5 = more than 10 hours (1 "Not answered" changed to median value (2)).
<b>Q5, "I use more time on AoC compared to exercises in other courses"</b>	Likert scale where 1 = Strongly Agree, 2 = Somewhat Agree, 3 = Undecided, 4 = Somewhat Disagree, 5 = Strongly Disagree. (1 "Not answered" changed to median value 3).
<b>Q7, "AoC is more motivating than a traditional set of exercises"</b>	Likert scale as for Q5.
<b>Q9, "I perceive the learning effect by using AoC as good compared to traditional exercises"</b>	Likert scale as for Q5. (1 "Not answered" (0) changed to median value 2).
<b>Q11, "I perceive the total learning in the course as good"</b>	Likert scale as for Q5.
<b>Q12, "I think the problems in AoC are difficult"</b>	Likert scale as for Q5.
<b>Q18, "To a large extent I had to use the textbook to find answers to the problems"</b>	Likert scale as for Q5.
<b>Q19, "I experience differences in AoC from the textbook as confusing"</b>	Likert scale as for Q5.
<b>Q20, "I experience the relation between the topical pace in AoC and the lectures as good"</b>	Likert scale as for Q5. (2 "Not answered" changed to median value 2).
<b>Q22, students' estimate of number of pages read in textbook</b>	1 = 0, 2 = 1-100, 3 = 101-200, 4 = 201-300, 5 = 301 or more. (1 "Not answered" (0) changed to median value 2).
<b>Q23, "I perceive the learning effect of the textbook as good"</b>	Likert scale as for Q5. (1 occurrence of "Not answered" (0) changed to blank).
<b>Q24, students' estimate of % of lectures followed</b>	1 = 0-20%, 2 = 21-40%, 3 = 41-60%, 4 = 61-80%, 5 = 81-100%. (2 "Not answered" (0) changed to median value 4).
<b>Q25, "I perceive the learning effect of the lectures as good"</b>	Likert scale as for Q5. (2 "Not answered" (0) changed to median value 2).
<b>Q27, students' estimate of % of supplementary exercise-lectures followed</b>	As Q24. (1 "Not answered" (0) changed to median value 1).
<b>Q28, "I perceive the learning effect of the supplementary exercise-lectures as good"</b>	Likert scale as for Q5. (3 "Not answered" (0) changed to median value 3).
<b>Q30, "I have to a large extent consulted the teaching assistants (TA's) available at the lab"</b>	Likert scale as for Q5. (1 "Not answered" (0) changed to median value 5).
<b>Q31, "I perceive the TA's at the lab as useful"</b>	Likert scale as for Q5. (1 "Not answered" (0) changed to median value 3).