

## Course analysis (course evaluation)

After the course has ended, the course coordinator fills in this template. The course analysis should be sent to Annika Hanberg, Kristian Dreij, Anna Beronius and Åsa Lycke no later than three weeks after the course ends.

<b>Course code</b> 4TX015	<b>Laboratory Animal Science in Theory and Practice</b>	<b>Credits</b> 4.5
<b>Semester</b> (VT/HT-year) VT25		

<b>Course leader/examiner</b> Johannes Wilbertz	<b>Other teacher(s) responsible for major part(s) (if applicable)</b> Elisabeth Andersson, Velmurugesan Arulampalam
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<b>Number of registered students (at 3-week check)</b> 30	<b>Number of students that passed at end of course (after regular session)</b> 30	<b>Response rate in KI survey (%)</b> 66.67
<b>Other methods for influence by students</b> (besides KI survey) Discussions, personal contacts		
<b>How and when is feedback of KI survey results given to students?</b> Published in Canvas		

### 1. Description of any changes made since last course event (based on for example feedback from previous students)

Due to legal aspects, the practical training is only based on training with dummies, demonstrations and non-aversive handling. In addition, the oral group presentations now consist of evaluating and presenting original ethical applications. The students appreciated both changes in the discussions during the course.

### 2. Brief summary of the KI survey

*(Based on students' quantitative answers and major feedback from free-text answers)*

According to the feedback from the students, the teachers were very much appreciated as were the learning lab occasions. Some lectures need to be refined based on the students' participation during a few lectures. Because the course includes mandatory external Canvas parts, the workload for the students was criticized.

<b>KI or programme-specific question</b>	<b>Average result -(1-worst, 5-best)</b>
In my view, I have developed valuable expertise/skills during the course.	3.8
In my view, I have achieved all the intended learning outcomes of the course.	4.0
In my view, there was a common theme running throughout the course – from learning outcomes to examinations.	4.2
In my view, the course has promoted a scientific way of thinking and reasoning (e.g. analytical and critical thinking, independent search for and evaluation of information).	3.9
In my view, during the course, the teachers have been open to ideas and opinions about the course's structure and content.	4.4
The course structure and methods used (e.g. lectures, exercises, seminars, assignments etc.) were relevant in relation to the learning outcomes.	4.0
The examination was relevant in relation to the learning outcomes.	4.1
I was actively participating in learning activities.	4.1
When/if I had questions or problems with the course content, I felt that I could turn to my teacher/supervisor for guidance.	4.6

What is your overall experience of the course?	<b>4.0</b>
To what extent do you feel that the workload during the course was reasonable in relation to the extent of the course/number of credits awarded? (1= far too little, 2= to little, 3= appropriate, 4= too much, 5= far too much)	<b>3.1</b>

**3. Course coordinator's reflections on the course and the results:**

*(to be published on the course web)*

The good results show that the students appreciated the slight content change. In all discussions and in-person contact with the students during the course, nearly all students supported the non-aversive handling of the animals. Several students expressed their support for abandoning animal experimentation during this course and suggested using more dummies or interactive computer programs. During the discussions with the students, it was noted that the general acceptance of experiments/education with live animals, especially in master's education, is very low.

The workload, especially the mandatory external Canvsa (NCLASET Function A), was a consistent criticism during personal contacts and discussions with the students.

Overall, the highlight of the course were the very good discussions and the active participation of most of the students.

**4. Other comments:**

This year's overall number of students (from Tox and Biomedicine) was significantly higher than last year. This causes problems for the learning lab, as we can only take care of max. 10 students at a time. Based on the learning lab activities, the maximum number of students for this course overall is 90.

**5. Course coordinator's conclusions and suggestions for changes:**

Based on the evaluation and the discussions with the students, some lectures will be revised and changed. Depending on the number of students and the availability of teachers, the aim is to increase the active discussions in smaller groups.

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**Additional details on weaknesses and suggestions for changes:**

*For internal discussions only! If changes are suggested, mention who is responsible for conduct and a time plan,*