Course analysis (course evaluation)

Course code	Course title	Credits
4TX030	Applications of methods in toxicological research	16.5
Semester (VT/HT-year)		
VT-2024		

Course leader/examiner	Other teacher(s) responsible for major part(s) (if applicable)
Kristian Dreij	**Hanna Karlsson, Felipe de Oliveira Galvão**

Number of registered students (at 3-week check)	Number of students that passed at end of course (after regular session)	Response rate in KI survey (%)
20	**18**	**70**

Other methods for influence by students (besides KI survey)
Course council

How and when is feedback of KI survey results given to students?
Course web

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

The structure and the content of the course was changed to better connect the transcriptomics lectures and exercises to the lab work. The students started by analyzing transcriptome data from cells exposed to nanoparticles to ID main DEGs and pathways. These results were then followed up and confirmed phenotypically during the following labs using 5 different methods. The part Alternative methods was moved to the end of the course to better connect with the following course in human risk assessment.

2. **Brief summary of the KI survey**

(Based on students' quantitative answers and major feedback from free-text answers)
The course was in general very well appreciated and the students especially appreciated the lab work, journal clubs (4.9), and the Zebrafish workshop (5.0). Constructive critique in relation to better organizing some labs and the associated Canvas page were given and will be taken into consideration for next year's course. Students also suggested having "lab-quizzes" before the labs start to support their learning and preparation. Many students also commented on how the course had developed their critical thinking (4.8)

KI or programme-specific question	Average result -(1-worst, 5-best)
In my view, I have developed valuable expertise/skills during the course.	**4.6**
In my view, I have achieved all the intended learning outcomes of the course.	**4.6**
In my view, there was a common theme running throughout the course – from learning outcomes to examinations.	**4.4**
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).	**4.8**
In my view, during the course, the teachers have been open to ideas and opinions about the course's structure and content.	**4.2**
The course structure and methods used (e.g. lectures, exercises, seminars, assignments etc.) were relevant in relation to the learning outcomes.	**4.4**
The examination was relevant in relation to the learning outcomes.	**4.4**
I was actively participating in learning activities.	**4.9**

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?	**4.6**
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)*	**3.1**

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

This course continues to be a very well appreciated course of the program. The changes made were in general successful and clearly helped to better connect the Omics with the lab work. Some comments from the students in relation to organization of the labs etc. will be implemented in next year's course.

4. Other comments:

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