



Kursanalys

Kurstitel: Applied Gene Technology	
Kurskod: BB2255	Högskolepoäng: 7.5
Kursen ingår i programmet: Medical Biotechnology	
Termin: HT	Läsperiod: 2
Kursansvarig: Afshin Ahmadian	Examinator: Afshin Ahmadian
Antal registrerade studenter: 53	Antal godkända vid sista kursdatum: 40
Svarsfrekvens kursvärderingsenkät (%): 88%	

1. Beskrivning av genomförda förändringar till detta kurstillfälle

Smaller groups for literature project work.

2. Sammanfattning av studenternas kursvärderingar

(Baserad på studenternas kvantitativa svar på kursvärderingen LEQ och synpunkter ur fritextsvar beskriv studenternas upplevelse av måluppfyllelse, kursinnehållet, kursorganisationen, arbetsbelastningen och examinationen. Kvantitativ sammanställning och grafer kan bifogas i bilaga.)

Note: The questionnaire was distributed at the exam and out of the 50 participating students 44 (88%) answered the questions.

The course is composed of three parts: i. the main technology part, ii. project work (that is performed in groups of around 5 members) and iii. the bioinformatics part (lectures that are combined with computer labs).

The students seem to be satisfied with the course (overall grade 4.05) and found both the technology and the bioinformatics parts very interesting and felt that they worked with interesting subject (see the questionnaire attached below). Probably, as a result of the overall interest in the course, all the students (but one who has dropped the course) passed the bioinformatics part (the computer labs), all students passed the literature project part and 40 (80%) out of 50 participants passed the written exam (technology part).

Exam Results:

40 out of 50 students (80%) passed the exam.

Grades:

A: 10

B: 6

C: 11

D: 6

E: 7

F: 10

We are obviously happy with the overall passing rate. We are also glad that almost 1/3 of the students passed the exam with the highest grades (A and B = 16 (32%)).

In addition, the students found the course quite challenging in a stimulating way while they also felt that they were able to learn by collaborating and discussing the topics with others in an inclusive atmosphere. They were also very satisfied with the teachers' scientific and pedagogical competence.

3. Reflektioner kring kursens genomförande och resultat



a. Kursens styrkor:

The focus of the course is on describing, applying and relating state-of-the-art technologies in the fields of genomics and transcriptomics, DNA-assisted proteomics and high throughput data analysis. All the topics are highly relevant and currently in use in e.g. diagnostic settings, research institutes and private sector, and therefore many students have strongly expressed that the course was interesting and intriguing because they were allowed to work with up-to-date and state-of-the-art techniques.

b. Kursens svagheter:

A few students (8 of 44) have stated that the number of TAs at the computer labs should be increased. Some students (5 of 44) have requested more information (e.g. text) on the slides in the technology-part lectures.

4. Förslag till förändringar för kommande kurstillfälle

In summary, the majority of the students feel that they have learnt a lot in this course and that the subject is important for their future career. However, to improve the quality of the course we will ask the director of the master program in biotechnology to increase the number of computer lab TAs from 2 to 3. Afsbin Ahmadian will also try to improve his slides by including more text, describing the techniques.

Course Evaluation

0. On average, how many hours/week did you work with the course (including scheduled hours)?

Average: about 20 hours/week

Evaluate different aspects of the course by using grade-scale 1-5, where 1 is the lowest and 5 is the highest.

Technology part of the course

1. The course was interesting

1 2 3 4 5 **4.25**

2. I worked with interesting subjects

1 2 3 4 5 **4.25**

3. The course was challenging in a stimulating way

1 2 3 4 5 **3.93**

4. The intended learning outcomes helped me to understand what I was expected to achieve

1 2 3 4 5 **3.57**

5. I was able to learn from concrete examples that I was able to relate to

1 2 3 4 5 **3.97**

6. Understanding of key concepts was given high priority

1 2 3 4 5 **4**

7. The course activities helped me to learn efficiently

1 2 3 4 5 **3.44**

8. I received feedback from the teacher without being graded

1 2 3 4 5 **3.95**

9. My background knowledge was sufficient to follow the course

1 2 3 4 5 **4.33**

10. I was able to learn by collaborating and discussing with others

1 2 3 4 5 **4.51**

