

## **Course report**

Semester: Spring 2016  
Course: Chemical Molecular Design  
(1KB453), 10 credits  
Registered students: 25  
Answering frequency: 17/27 (63 %)  
Date: 2016-10-04

## **Examination results**

Number of students examined: 12  
Fail: 2 (8%)  
Pass (3): 15 (60%)  
Pass with credit (4): 7 (28%)  
Pass with distinction (5): 1 (4%)

## **Brief summary of student viewpoints and suggestions**

*(based on both quantitative results and key viewpoints from students' free-text answers)*

### **"Strengths" according to students**

- Interesting lectures given by engaged teachers
- An inspiring overview of different aspects of how to design small molecule drugs, some aspects of biologicals and biocompatible materials
- Projects that allowed for creativity while still allowing application of what was taught in the lectures

### **"Weaknesses" according to students**

- Learning outcomes and key take home messages should be stated more clearly
- Lack of hands on teaching on how to use software for modeling and calculations
- Seminars and project not graded, and the course credits too low. Could be increased to 4 or 5 credits
- Do the biomaterials lectures fit in this course?

## **Comments from course director and teachers on the implementation and outcome of the course, including:**

*(i) any changes made to the course as a result of proposed changes/comments the last time the course was given (see for example previous course evaluations)*

*(ii) any changes made during the course as a result of formative course evaluations (if any)*

### **Lecture series**

- Lectures were essentially the same as last year

### **Projects**

- More projects and seminars were run as the number of students increased by 50% as compared to previous years – this was a major increase in workload for the teachers on the course. Projects and seminars were better connected to ongoing research in the department so as to get engaged teachers.

## **Proposed changes/comments/measures**

- Start course by a lecture that gives a better overview of the overall contents of the course, including learning outcomes. Explain how each lecture is expected to contribute.
- Move some lectures to make a better flow in the course, i.e. CC lecture and Helena Ds lecture to come before the case studies
- Introduce lecture on RNAi – requires that a suitable lecturer is available

- Make attendance at biomaterial lectures compulsory, but exclude this part from the exam
- Consider introducing lectures on biologicals in drug discovery
- Continue to improve connection of projects to research in the groups involved in teaching on the course, i.e. try real projects and not only those which have already been worked on during previous courses
- Put seminar a bit earlier in course

*Names of those who wrote the course report, ie course director/another appointed person at the Department*

**Jan Kihlberg**