

## Course analysis (course evaluation)

|                                       |                                   |                       |
|---------------------------------------|-----------------------------------|-----------------------|
| <b>Course code</b><br>1BI047          | <b>Course title</b><br>Pathology  | <b>Credits</b><br>3hp |
| <b>Semester (VT/HT-yr)</b><br>VT-2025 | <b>Dates</b><br>13-25 March, 2025 |                       |

|   |   |
|---|---|
| <b>Course Director</b><br>Malgorzata Parniewska   | <b>Examiner</b><br>Dhifaf Sarhan  |
| <b>Teachers in charge of different parts of the course</b><br>Malgorzata Parniewska – Responsible for the lab project | <b>Other participating teachers</b><br>Mark Issa, Ewa Kurzejamska, Carlos Fernandez Moro, Sophia Godau, Mohammad Morsy, Evelina Tidholm Qvist |

|   |  |   |
|---|--|---|
| <b>Number of registered students at the 3-week check</b><br>55 (2 on exchange)  | <b>Number passed at final course day</b><br>49 | <b>Response frequency course valuation survey</b><br>24/55 (43.64%) |
| <b>Other methods for student influence</b> (in addition to the final course valuation/survey)<br>Course council meeting with two representatives held on 2 <sup>nd</sup> April 2025                       |  |   |
| <b>Feedback reporting of the course evaluation results to the students</b><br>The results of the course evaluation were uploaded to Canvas and in the open course pages on April 10 <sup>th</sup> , 2025. |  |   |

### Note that...

The analysis should (together with a summarising quantitative summary of the students' course evaluation) be communicated to the education committee at the department responsible for the course and for programme courses also to the programme coordinating committee.

The analysis was communicated to the education committee on the following date: 2025-06-27  
The analysis was communicated to the programme coordinating committee on the following date: 2025-06-27

### 1. Description of any changes implemented since the previous course occasion based on the views of former students

- Lecture content has been adjusted to minimize repetition:
  - The molecular pathology PDF lecture is incorporated within the cancer pathology, classification and genetics lecture
  - The cancer pathology, classification and genetics lecture is decreased in content and more focused. It is also provided onsite.
  - The immunology basics are removed from the Inflammation lecture and provided as a separate optional PDF lecture
  - The laboratory project work is introduced on the first day of the course + dedicated timeslots are introduced to allow working on the lab project in parallel to lectures
  - Students are informed that the histology part is also available from the first day of the course
  - The Q&A session for the histology part is placed later in the schedule after all histology work is finalized.
  - The seminars are placed as early in the schedule as possible to maximize individual study time
  - The individual study time before the exam has been increased.

- All pathological tissues histology videos are subtitled.

## **2. Brief summary of the students' evaluation of the course**

*(Based on the students' quantitative responses to the course valuation and key views from free text responses. Quantitative summary and any graphs are attached.)*

Most of the students that responded to the survey found that they had developed valuable expertise and skills, teachers have been open to ideas and opinions about the course, the workload was reasonable, and the examination was relevant to the learning outcomes.

### ***Strengths:***

The students found that the structure of the course and the scheduling worked well. They also have enjoyed the histology part and the lab project, particularly the ability to work in ImageJ. Seminars have been appreciated in summarizing the content.

### ***Suggestions for improvements:***

#### Lectures and seminars:

The students suggest improving the overall structure, adding intended learning outcomes and more text to the Inflammation lecture slides. Lectures in general seem heavy in content. Some of the seminars could be shorter.

#### Schedule:

The students would like to have more time for the histology part.

#### Exam:

All images used for exam should have high quality resolution.

## **Summary from "Course evaluation council"**

### ***Strengths:***

#### General

The students found the course good but very short.

#### Lectures

The Tissue Repair, Cell Adaptation, Injury and Death, and Biobanking lectures were considered good. The Tumor Pathology and Classification lecture was considered good although the students found the techniques to be a repetition. Students felt that the Inflammation lecture lacked clarity, particularly regarding learning outcomes and was too much focused on basic immunology. The students would have appreciated more text on slides. However, they found the seminar helpful in clarifying important content.

#### Lab project

The students found that the lab project was good and the accompanying videos helpful. Information about the use of pivot tables would have been appreciated to be placed earlier in the data analysis

video. The students thought that it was good to introduce the lab project on the first day, there was enough time, and it was good to write only the abstract.

#### Histology

Students thought that the videos were very helpful in understanding the tissue context. The students have pointed out that the "Stains" PDF file was lacking Sox10 information.

#### Seminars

The pathology seminar was helpful in guiding the students how to approach a tissue. Students pointed out that the timing could be adjusted since the seminar finished earlier. The lab seminar was helpful in comparing data with peers. It was also appreciated to see results from previous years.

The lecture seminar was good but the students would have appreciated less questions and more time for discussion with the teachers. The students pointed out that for Inflammation, the seminar questions did not fully match the lecture content.

#### Exam

The students found the questions relevant to the course content. They have pointed out technical problems of the exam: bookmarking function was disabled, points per question were not visible and the quality of the image for one of the questions was suboptimal.

#### ***Suggestions for improvements:***

##### Lectures:

Add intended learning outcomes and more text to Inflammation lecture slides.

##### Lab project

Place information about pivot tables in the beginning of data analysis video.

##### Seminars:

Maybe shorten the Pathology seminar. Have less questions for the Lecture seminar leaving more time for discussion with teachers.

##### Other:

- The students suggest that Tissue Biology and Pathology courses should be combined.

### **3. The Course Director's reflections on the implementation and results of the course**

#### ***Strengths of the course:***

The course has improved from a new scheduling, in particular by placing the Introduction to the lab project on the first day and allowing parallel work on it together with the lectures. The lab project, histology part and seminars are appreciated by the students.

#### ***Weaknesses of the course:***

The Inflammation lecture needs revision in terms of structure and content. The Cancer pathology, classification and genetics lecture should be decreased in content.

### **3. Other views**

Students would prefer either the course to be longer or the Tissue Biology and Pathology courses combined.

### **4. Course Director's conclusions and any suggestions for changes**

*(If changes are suggested, state who is responsible for implementing them and provide a schedule.)*

- We will add the intended learning outcomes and more text into the Inflammation lecture slides
- We will consider adding more time to the histology part
- All images that are used for exam need to be of good quality
- We will consider shortening the time allocated to some of the seminars
- Information about usage of pivot tables will be placed in the beginning of the data analysis video.
- We will consider revising the Cancer pathology, classification and genetics lecture in terms of content.

### **Appendices:**

Course survey pathology 1BI047-2025