

COURSE ANALYSIS, postgraduate course

Third cycle courses, EECS School, KTH, from 2018

An asterix (*) denotes non-compulsory data.

Course data

Course name: Music informatics

Course ID: DT2470

Credits: 7.5

Credits per module: 7.5

Time period for course: HT2023

Teachers: Bob L. T. Sturm and André Holzapfel

Examiner: Sten Ternström

Classroom hours: Almost twice a week for 2 hours

Nr of registered students: 52

Examination rate, in %: 100

Goals

After passing the course, the student shall be able to

- account for how feature extraction works and explain why it is needed
- recommend methods for comparing and modelling of music data
- design, implement and evaluate own methods for modelling of music data

in order to

- be able to describe how information at different levels of abstraction can be extracted from music data (acoustic as well as symbolic) and be used in many applications (e.g., search, retrieval, synthesis)
- be able to design algorithms for handling and modelling of music data as well as evaluate their performance.

How the course design helps to fulfill these goals: Lectures, weekly quizzes, labs, project and written report

Pedagogical development - I

Changes made since previous time course was given: None

Course evaluation; comments from students

Based on the anonymous questionnaire.

Evaluation response rate: 29% (15 of 52)

Overall student view*

"I think that is a suitable workload for us."

"The course felt balanced with regards to the number of credits it was worth."

"I think it is a very well balanced and interesting course with a reasonable workload according to the study peace"

Negative comments:

"As a master student, this course is a little easy."

"In the lab assignments, many of the concepts and tasks were not explained during the lectures or in any of the course content in more than a superficial level, making it sometimes difficult to understand which was the intended purpose of the tasks and how to proceed with the implementation."

Pre-knowledge, comments*

"It looks like as a little bit challenging task for some students who have not contacted the area of ML, signal, and musical knowledge before"

"Aiming at these four basic labs, for students who have not contacted the area of ML, signal, and musical knowledge before, the intensity is relatively high. Maybe you can improve some lab content to solve this problem, or just slow down the pace of each lab. So that students can have much time to absorb the knowledge in the lectures and search for some extra information to complete the labs, then preparing for the final project better."

Course design, comments*

"The labs were really helpful to understand the key concepts."

"More lab in person would have been interesting"

"The quizzes are simply pointless. Either make them more challenging or remove them."

Literature, comments: None

Examination, comments:

"The evaluation structure is suitable in a course like this. Of course there could be an exam, but I feel like the labs and project work + the weekly quizzes is better suited at assessing student knowledge."

Course teacher's impressions from the evaluation

Comments: The student observations align with my own as to what changes should be made in the next edition.

Course teacher's summary

Overall view: The course ran smoothly, and pretty much followed the course book.

Positive comments: Attendance was ok throughout the course, taught in a hybrid way.

Negative comments: The lab schedule was fine.

View on pre-knowledge*: Fine

View on course design*: Fine, but it appears to be too easy for some.

View on course material: The material is timely and appropriate for the learning objectives. The labs provided hands-on experience.

View on examination: Projects provide a good way to gauge mastery.

Pedagogical development - II

Outcome of course changes made since last time course was given:

- **Changes made since previous time course was given:** None

Changes to be made before next time course is given:

1. The quizzes need to be made more difficult.
2. The diversity of projects needs to be increased. Too many groups worked on chord recognition and genre recognition.

Other

Comments*