

COURSE REPORT

Background information (To be completed by course administrator)

Course LADOK code: KD409A	Scope (hp): 15,0 hp
Course title: Interaction Design: Tangible and Embodied Interaction	
Course coordinator: Niedenthal Simon	Number of registered students: 34
Semester in which the course is conducted: Autumn semester 2023	
Is the course an independent course, programme course or contract course? If the course has been completed within a programme, enter the programme name: TGIDE	

Administration's perspective (To be completed by course administrator)

The administration's views:

Forms of evaluation and feedback (To be completed by the course coordinator)

Formative course evaluation: (Describe the form of course evaluation and when it was completed) 22/11/23, 17/1/24 program advisory meetings	Number of students who participated in the course evaluation: 2 student representatives
Summative course evaluation: (Describe the form of course evaluation and when it was completed) Sunet survey	Number of students who participated in the course evaluation: 10 respondants
Feedback to students: (Describe how and when the feedback was given to the current student group) Posted to Canvas	

Student's perspective (To be completed by the course coordinator)

Summary of the students' course evaluations: (The five university-wide questions should be included:

1. To what extent do you feel you have achieved the course's intended learning outcomes?
2. To what extent do you feel the course's working methods/learning activities have been a support in your learning to achieve the intended learning outcomes?
3. To what extent do you feel the course's examination forms have given you the opportunity to show how well you have achieved the intended learning outcomes?
4. To what extent do you feel the course has met your expectations in general?
5. To what extent has the course given you the opportunity to take responsibility for your own learning?

Survey is appended.

Teacher's perspective (To be completed by the course coordinator)

Summary of the teacher's views/Results: (The comments on the course's implementation and the results based on an assessment of the students' actual learning outcomes in relation to the intended learning outcomes, are summarised here. Both success factors and problems are identified).

TEI was a challenge this year due to staff churning. 80% of the staff, including the course coordinator, were new. The course built upon a robust existing Canvas structure, with regular written deliveries from the students and peer-reviewing.

Given the challenges, the course outcomes were good, and student reported a fair level of satisfaction (see survey below). This is due to effective teaching of the new staff, as well as the existing course organization on Canvas.

There were a few issues with group dysfunction in spite of the fact that we worked actively with groupwork contracts.

Analysis and action plan (To be completed by the course coordinator)

Analysis: (The course coordinator is responsible for ensuring that the analysis is based on a summary of the students' individual course evaluations, views from relevant teachers and course administrators, knowledge development in the field of research and that this analysis is done in collaboration with the teaching team.)

TEI has been an appreciated part of the second year IDB program for several years and is in very good shape. Further improvements have been suggested below.

Action plan: (The changes planned to be made in the short and long term are stated here, as well as the timetable for when the actions are planned be carried out and who is responsible for the implementation. If identified problems are left without action, this should be justified. The follow- up of proposed measures according to the previous course report(s) is presented here.)

Reduce M1 to three weeks, reduce number of student groups in M1 for better critique flow, rethink tech support during M2, revisit peer-review specs, rethink individual essay specifications and rationale.

Publishing and archiving (To be handled by the course administrator)

- The course report is published, and the students have been informed about the publication,
- The course report is archived according to the university's archiving rules,
- The course report is shared with the programme coordinator (if applicable),
- The course report is saved according to any additional requests on behalf of the department.

Interaction Design: Tangible and Embodied Interaction-HT23

Respondents: 34

Answer Count: 10

Answer Frequency: 29.41%

1 What do you think about the course as a whole?

Number of responses

1. Very bad 0 (0%)

2. 0 (0%)

3. 0 (0%)

4. 3 (30%)

5. 4 (40%)

6. Very good 3 (30%)

Total 10 (100%)

Comments

This course was one of the better ones that I've had in IDB so far, the structure of the course was really helpful and helped me realize that journaling is something that is very helpful, doing continuous hand and giving feedback on other students and using it in seminars in combination has been really helpful and fun. I would recommend all teachers to use this when journaling is mandatory.

A lot better than interactivity but still things to be desired.

The course was overall fun and I learned many different things that will aid me in the future.

I found the course very useful and educational. It provided a comprehensive introduction to various topics within the field of

Tangible and Embodied Interaction and offered a balanced mix of theory and practice.

I had a hard time fully understanding the scope of the course. It felt like a fast studio 1 course but in groups.

Generally it was good

and fun but the scope or main aim was too vague

2 What has been good about the course?

What has been good about the course?

The overall structure has been really good, having three modules where you can explore TEI, and then ending it with a project felt

really logical and straightforward. The modules were fun, the lectures informative and the teachers were passionate and interested

in what we thought and had to say. The second module was also, our supervisor, Sarah helped us a lot in developing the

concepts, and really took her time to help us, which we really appreciated, so a shout out to her!

The seminars were also really fun, I enjoyed that different teachers were invited and the discussion around the table where

everyone got to speak, was really informative and helpful. Working with an outside company was also really enjoyable, it gave the

feeling that what we are learning can make a difference in the "real world".

Having some new teachers, the physical part of the course, straying away from app design and so much digital things.

The thematics of the course and its structure.

I liked the peer reviews and seminars that we had. I think the discussions we had about the different papers for the course helped

us to understand them better. The peer reviews was also helpful for me to improve my journal writing.

Possibility to explore what you as a person find interesting

The course excelled in its diverse teaching methods, including lectures, seminars, and practical exercises. The involvement of

instructors like Simon, Sara, and David was a major highlight, as they brought depth and clarity to the topics.

The first three smaller modules was very fun and interesting. On one hand I liked the rapid speed where we only had 1 week per

module. On the other hand I wish we had more time to explore the different themes. All teachers were good and felt very

knowledgeable. Also liked the freedom during the last part of the course with the pitching of ideas as the initial stage.

Actually the

whole pitching ideas moment was very fun!

3 What can be improved in the course until the next course offer?

What can be improved in the course until the next course offer?

There's a few things that I would like to highlight as potential improvement to next year, the first one is in the robotics module where many of us struggled with tech issues, and since that is a big part of this, it would be good with some more supervision regarding coding and working with Arduino. But David did a really good job and his coding sessions were really helpful. The module were also really good and fun, but since we're working with tech and all supervisor is not that technical, it would be good with either some more TA or supervision with focus on tech-support.

More guidance. There are extremely few hours with the teachers which is very difficult when trying to work with something you have never worked with before, mechatronics. We honestly felt a bit scared at times when the tech started heating up and stuff. We would have needed someone to be in class like two days a week so that we could get some adequate help and maybe even TA hours. A lot of the time it feels like we are not being taught anything and we are just fumbling around hoping to do something right which is extremely frustrating as we at some point need to have things to put in our portfolio and at this rate there are very few things that are portfolio worthy. It would also be nice to get things somewhat functioning and I think that requires more teaching hours. Another thing that I think you should REALLY consider is the format of the individual essay. It makes zero sense to find an argument in a short design project that might not have generated much results. I like the aspect of the knowledge contribution for next year students but this essay should really be exploratory or a discussion. Most people in the class struggle with the argument especially with group projects it is very difficult to find an argument that has not already been taken by another group member. It is also hard to meet the requirements of what it should and should not be and it ALWAYS feels 50/50 if you are going to pass or fail also depending a lot on what teacher you get to grade your paper. As a person who is very comfortable with different types of essays, the formalities of this essay is very hard to wrap your head around and there is also very little assistance if you need help with your argument, the teachers mainly say if it good or bad not giving you a lot of information of how to improve it. I genuinely hope that you change the essay a bit, you will get a lot better essays from future students if they do not have to adhere to that ridiculous format.

A little bit more support when it comes to Module 2. Technical but also theoretical support.

The requirements for the assignments were unclear to me for example with the individual essay it does not say what is the minimum amount of references on the final delivery page. While that information did exist on a different page I think that organizing it would be helpful in the future.

Finishing the course one week earlier so we have a break between this course and the next. Valuable to keep the quality of work, instead of focusing on quantity.

I understand that the course is new, or at least parts of it, and it deals with new methods. There was a lack of experience in organizing the course on Canvas. However, I do not think this is a major issue as it seems to be a technical problem that will likely be resolved for next year's students.

I feel that the organization could have been better, although I understand it might have been due to circumstances with another teacher taking over the course.

Though I did like the freedom of the planning our own work and taking the project in the direction that we ourselves wanted to was nice, I do think that a more organized introduction would be needed. I was quite unclear what was expected from us. Also, we would have needed more time with the teachers or TAs (but preferable teachers). Another

aspect is that I would have liked more fundamental knowledge of mechatronic and how to work my way around the tech aspects. Figuring out how to connect the pins, motors and LEDs to the Arduino took way to much time that it could have!

Have a clear plan about the assignment.

4 To what extent do you think the course has met your expectations in general?

Number of responses

1. To a very small extent

0 (0%)

2.

1 (10%)

3.

1 (10%)

4.

3 (30%)

5.

2 (20%)

6. To a very large extent

3 (30%)

Total

10 (100%)

Comments

It is not really what I expected and towards the end it more resembles interactivity which i do not like at all. I did however,

appreciate the first 3 modules of the course, they were a lot more fun.

To be honest I did not have any specific expectstion for this course, but I did expect to work with robot ecologies for example since

I did not think it would be apart of this program.

The course met and possibly exceeded my expectations, providing a thorough understanding of the subject and allowing for

hands-on experience.

Did not really know what to expect but I wish that the first three shorter modules would have been a bit longer.

Questions about expected learning outcomes

We ask you to valuate the course on the basis of expected learning outcomes. You can find the expected learning outcomes in the

syllabus here (open in new window).

To what extent do you consider you have achieved the expected learning outcomes of the course?

Number of responses

1. To a very small extent 0 (0%)

2. 0 (0%)

3. 1 (10%)

4. 2 (20%)

5. 4 (40%)

6. To a very large extent 3 (30%)

Total 10 (100%)

6. To a very large extent 5. 4. 3. 2. 1. To a very small extent

0 20 40 60 80 100

Mean Standard Deviation

4.9 1.0

Comments

I hope so but having very little contact with the teachers and the general confusion of the course it is very hard to know what I was

supposed to accomplish.

I think that how the course itself is structured is excellent since it starts off with smaller projects and then at the end the students have a choice of doing their own larger project. That is I think a key reason why I learned the expected learning outcomes for this course.

I believe I have successfully achieved the expected learning outcomes, gaining both knowledge and practical skills in Tangible and Embodied Interaction.

5 To what extent do you think that the working methods / learning activities on the course have reinforced your learning and your ability to achieve the expected learning outcomes?

Lectures

Lectures Number of responses

1. To a very small extent 0 (0%)

2. 2 (20%)

3. 1 (10%)

4. 1 (10%)

5. 1 (10%)

6. To a very large extent 5 (50%)

Total 10 (100%)

6. To a very large extent 5. 4. 3. 2. 1. To a very small extent

0 20 40 60 80 100

Mean Standard Deviation

Lectures 4.6 1.7

Seminars

Seminars Number of responses

1. To a very small extent 0 (0%)

2. 2 (20%)

3. 3 (30%)

4. 1 (10%)

5. 1 (10%)

6. To a very large extent 3 (30%)

Total 10 (100%)

6. To a very large extent 5. 4. 3. 2. 1. To a very small extent

0 20 40 60 80 100

Mean Standard Deviation

Seminars 4.0 1.6

Reading of the literature

Reading of the literature Number of responses

1. To a very small extent 0 (0%)

2. 2 (20%)

3. 1 (10%)

4. 2 (20%)

5. 2 (20%)

6. To a very large extent 3 (30%)

Total 10 (100%)

Canvas

Canvas Number of responses

1. To a very small extent 1 (10%)

2. 0 (0%)

3. 4 (40%)

4. 1 (10%)

5. 0 (0%)

6. To a very large extent 4 (40%)

Assignments

Assignments Number of responses

1. To a very small extent 0 (0%)

2. 1 (10%)

3. 2 (20%)

4. 1 (10%)

5. 4 (40%)

6. To a very large extent 2 (20%)

Total 10 (100%)

Other teaching activities

Other teaching activities Number of responses

1. To a very small extent 1 (10%)

2. 1 (10%)

3. 2 (20%)

4. 3 (30%)

5. 2 (20%)

6. To a very large extent 1 (10%)

Total 10 (100%)

Comments (optional)

In general I feel like the above mentioned things are lacking in general. Only in the first modules that we had any of it.

Seminars and the lecture is where I learned the most.

Would have liked more seminars, lectures and workshops.

6 To what extent do you think the examination forms have given you the opportunity to show how well you have achieved the expected learning outcomes?

Number of responses

1. To a very small extent 0 (0%)

2. 1 (10%)

3. 2 (20%)

4. 4 (40%)

5. 1 (10%)

6. to a very large extent 2 (20%)

Total 10 (100%)

Comments (optional)

The ACM was fine, could have gotten an introduction to what an ACM is and why we are writing it in that format but whatever. Like

mentioned earlier the individual essay is literally the worst and it is very difficult to showcase what you have learned using that format.

The examination methods were well-designed and gave me a good opportunity to demonstrate my understanding and skills. I felt

they were aligned well with the course's learning outcomes.

Other questions

7 To what extent has the course given you the opportunity to take responsibility for your own learning?

Number of responses

1. To a very small extent 0 (0%)

2. 0 (0%)

3. 0 (0%)

4. 1 (10%)

5. 3 (30%)

6. to a very large extent 6 (60%)

Total 10 (100%)

I would argue that it has done it too much. I like learning on my own but there are limits.

Since we have our own room to study in and we have our teachers nearby most of the time I think that help alot with our own learning.

The course structure, especially the project work in the second module, provided me with significant opportunities to take charge

of my learning. This aspect encouraged me to engage more deeply with the material.

Too much!! Im a student who should have little expectations to teach myself. However, with little to non lectures or other structured

activities, I had to learn by doing, by googleing or asking my peers.

8 How much time (hours) per week have you spent on the course?

Number of responses

Less than 10 hours 0 (0%)

11-15 hours 0 (0%)

16-20 hours 0 (0%)

21-25 hours 1 (10%)

26-30 hours 0 (0%)

31-35 hours 4 (40%)

36-40 hours 2 (20%)

Over 40 hours 3 (30%)

Total 10 (100%)

Has this been enough to achieve the learning objectives of the course?

way too many. I had to go into school during christmas a lot which was not fun at all.

Spending more time on assigments would always be better, but I think that the time I have spent is enough.

Different from week to week but about 31-35.

9 Other comments about the course and suggestions for improvements?

Other comments about the course and suggestions for improvements?

A thanks to Simon for being positive, and really enjoyable teacher in this course. He was able to give critical feedback, but also highlighting the good and the project that we worked with was helpful. Overall great work, and I hope other teachers will look the structure this course. Also, now that studio two is approaching, some sort of peer review of each other's work would be helpful and also be a good learning activity. Since you get to look at someone else's work critically, and in that way, learn what you could do differently.

More support in both modules, feedback on time. Final deliveries early feedback session is appreciated and highly valued.

I have say that Simon, David and Sarah where great teachers both generally and in this course. Their care for the students showed clearly throught the whole course and I would like to thank them for a greart course.

Overall, my experience with the course was extremely positive, largely due to the effective teaching methods and the commitment of instructors like Simon, Sara, and David. Their enthusiasm and expertise made complex concepts accessible and engaging. I don't have any specificLike I have mentioned. The course has a good and interesting basis to which it can become one of the best courses, however I feltlike we as student were left by ourselves. With no break what so ever, we had to work through, Christmas, New Years and literaly up until the day before the second semester started