

様式 A-1
(FY2023)

2023年 12月 11日

サイエンス・ダイアログ 実施報告書

1. 学校名・実施責任者氏名: 富山県立富山中部高等学校
2. 講師氏名: Dr. Hoi-Lam Jim
3. 講義補助者氏名: 貝ヶ石 優
4. 実施日時: 2023年 12月 8日 (金) 14:00 ~ 15:30
5. 参加生徒: 1年生 6人、2年生 13人、3年生 人 (合計 19人)
備考: 普通科、人文社会科学科、理数科学科の生徒
6. 講義題目: An introduction to animal behaviour research 動物行動研究入門
7. 講義概要:
 8. ・自己紹介と、動物行動研究への道のり紹介。
 9. ・なぜ動物の行動を研究することが重要なのか、動物を使った研究の方法の紹介。
 10. ・動物を研究するさまざまな方法(観察と実験)について
 11. ・さまざまなサンプリング技法を用いた動物の行動記録の演習。
 12. ・イギリスのクリスマスと新年の伝統
 - 13.
14. 講義形式:
☒ 対面 ・ ☐ オンライン (どちらか選択ください。)
 - 1) 講義時間 60 分 質疑応答時間 30 分
 - 2) 講義方法 (例: プロジェクター使用による講義、実験・実習の有無など)
プロジェクター使用による講義、動物の行動記録の演習
 - 3) 事前学習
有 ・ ☒ 無 (どちらかに○をしてください。)
使用教材
15. その他特筆すべき事項:

Form B-2
(FY2023)
Must be typed

Date (日付)
13/12/2023

Activity Report -Science Dialogue Program-
(サイエンス・ダイアログ事業 実施報告書)

- Fellow's name (講師氏名): Hoi-Lam Jim (ID No. PS23013)
- Name and title of the accompanying person (講義補助者の職・氏名)
Yu Kaigaishi, Research fellow (PD)
- Participating school (学校名): Toyama Prefectural Toyama Chubu Senior High School
- Date (実施日時): 8/12/20213
- Lecture title (講義題目):
An introduction to animal behaviour research
- Lecture format (講義形式):
 - ◆ ☒ Onsite ・ ☐ Online (Please choose one.)(対面 ・ オンライン)((どちらか選択ください。))
 - ◆ Lecture time (講義時間) 60 min (分), Q&A time (質疑応答時間) 10 min (分)
 - ◆ Lecture style (ex.: used projector, conducted experiments)
(講義方法 (例: プロジェクター使用による講義、実験・実習の有無など))
Projector, behavioural coding exercises
- Lecture summary (講義概要): Please summarize your lecture within 200-500 words.

First, I gave a short introduction about my background, my journey into animal behavior research and why I moved to Japan. Then, I gave reasons why it is important to study animal behavior and showed the students the process of designing a study (i.e., thinking of a research question and giving the definition of a hypothesis and a prediction and explaining the difference between them). I gave examples of my own research throughout the lecture to demonstrate these ideas.

Next, I explained the different methods to study animals (observations and experiments) and showed the students how to create an ethogram for observations. The students completed some exercises: first, I asked them to write down all behaviors they saw in a video of chimpanzees. Then, they watched two other videos of chimpanzees using two different sampling techniques (scan and focal). Then, I explained what an experiment is and showed videos of two different conditions in my previous experimental study and the students coded an experiment.

After the exercises about data collection, I explained that the next step would be to analyze the

data to obtain the results. I demonstrated how graphs are useful in visualizing the data and gave a brief explanation about conducting statistical analyses.

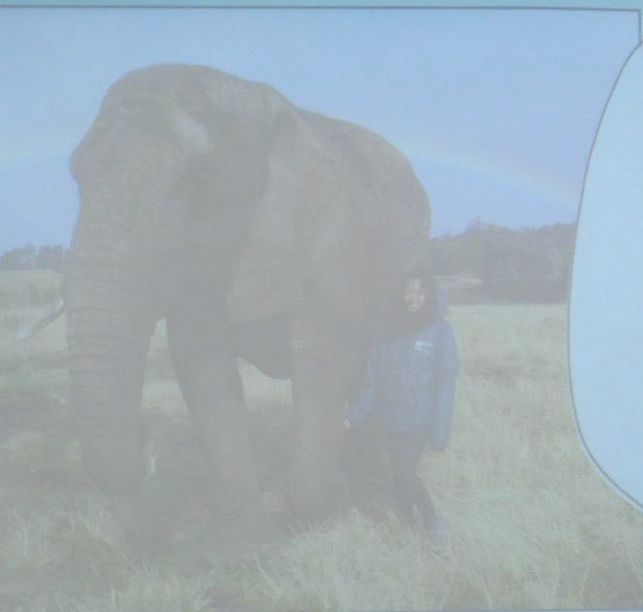
I had planned a small experiment and a short quiz about animal related English idioms but there was no time for it. Therefore, I ended the lecture by showing the students some Christmas and New Year's traditions in the UK.

◆Other noteworthy information (その他特筆すべき事項):

Mr Mitsuharu Abe was extremely kind and friendly. He seemed very interested in my lecture and showed me and Dr Kaigaishi around the school after the lecture. I am happy that the students seemed interested in my lecture and asked me many questions at the end. I thoroughly enjoyed this experience.

- Impressions and comments from the accompanying person (講義補助者の方から、本事業に対する意見・感想等がありましたら、お願いいたします。):

Dr. Kaigaishi helped me explain some more complex parts of the lecture in Japanese (e.g., the different sampling techniques). He is my lab mate and also studies animal behavior, thus his expertise allowed him to easily explain these concepts to the students.



I love animals so I studied
animal behaviour for my
master's degree.

私は動物が大好きなので、修
士課程では動物行動学を学び
ました。

I studied elephants in
South Africa.

私は南アフリカでゾウを研究
した。



A woman with long dark hair, wearing a yellow patterned sweater, is sitting at a desk in a lecture hall. She is looking towards the audience. On the desk in front of her is a laptop and a water bottle. Behind her is a blackboard and a clock on the wall. The audience is visible in the foreground, seen from behind.