

2.- 5. Theme 1 (4 weeks) “ Human system and microbes ”

- Week 1: Skills and concepts training by Koyanagi and assignment of sub-topics
- Week 2: Group work (research, analysis, collaboration with other groups, presentation preparation)
- Weeks 3 and 4: Group presentations and discussions (3 groups/sessions x 25 minutes)

Feedback will be provided at the end of the presentation session (15 minutes).

Homework: Personal report.

6.- 9. Theme 2 (4 weeks) “ Contemporary scientific perspectives on traditional diets ”

- Week 1: Skills and concept training Feuer and assignment of sub-topics
- Week 2: Group work (research, analysis, collaboration with other groups, presentation preparation)
- Weeks 3 and 4: Group presentations and discussions (3 groups/sessions x 25 minutes)

Feedback will be provided at the end of the presentation session (15 minutes)

Homework: Edutainment social media post

10.- 13. Theme 3 (4 weeks) “ Data analysis methods for microbes and human genome ”

- Week 1: Skills and concepts training by Vandebon and assignment of sub-topics
- Week 2: Group work (research, analysis, collaboration with other groups, presentation preparation)
- Weeks 3 and 4: Group presentations and discussions (3 groups/sessions x 25 minutes)

Feedback will be provided at the end of the presentation session (15 minutes)

Homework: Data visualization

14. Closing session (1 week)

- General discussion: remarks and comments by all
- Final remarks

15. Feedback

【履修要件】

特になし

【成績評価の方法・観点】

Assessment for the class will base on the following three criteria:

1. Class attendance/active participation in group work.
2. Group presentations and personal report.
3. Individual homeworks (interim and final).

Details on each criterion will be announced during the first class.

【教科書】

使用しない

【参考書等】

(参考書)

Microbial Biotechnology. 2023 Jul;16(7):1412-1422. doi: 10.1111/1751-7915.14263

Microbial Biotechnology 2024 Feb;17(2):e14428. doi: 10.1111/1751-7915.14428.

FAO and original manuscripts

(関連 U R L)

<https://openknowledge.fao.org/items/5622146b-4e2b-413e-b092-aa8551a619fb>(Microbiome: The missing link? Science and innovation for health, climate and sustainable food systems)

<https://www.microbiomesupport.eu/>(Within the European-funded Coordination and Support Action Microbiome Support, the Workshop ‘ Education in Food Systems Microbiome Related Science’)

[授業外学修 (予習 ・ 復習) 等]

We expect students to read the recommended resources for each session, in order to be able to actively participate in discussion. In order to prepare for each presentation, students will need to meet with their group in between sessions, outside the class time.

[その他 (オフィスアワー 等)]

- The expected number of students is 45 to 54 (= 5 to 6 x 9 groups). Priority will be given to iUP Japanese and international students enrolled in the program, and other students will be registered in the available slots.
- Regarding office hours, use PandA to send an e-mail to request an appointment.