

北海道大学大学院環境科学院
環境起学専攻
人間・生態システムコース

Course in Human and Ecological Systems
Division of Environmental Science Development
Graduate School of Environmental Science, Hokkaido University

2026年度4月入学大学院修士課程入学試験問題（春季入試）
Entrance Examination

専門科目
Specialized Subjects
[留学生用]
[For International Students]

- All the questions must be answered in English.
- The backside of the answer sheet can be used if necessary.

February 18, 2026

Question The following are terms and descriptions related to the research in the Course in Human and Ecological Systems. From the list below, choose 8 items and explain each one in 3-4 lines. Include the number of each selected item in your answer.

1. Knickpoint
2. Graben
3. Talus cone
4. Tombolo
5. Solifluction
6. Zoning in protected areas
7. Overview of machine learning and its applications in environmental science
8. Permafrost and seasonally frozen ground
9. Three map projection methods and their characteristics
10. Frost cracking
11. Sensible heat and latent heat
12. Soil thermal conductivity
13. Autotrophs and heterotrophs
14. Portfolio effects in ecology
15. Difference between the fundamental niche and the realized niche
16. RE100 (Renewable Energy 100%)
17. GPGP (Great Pacific Garbage Patch)
18. EbA (Ecosystem-based Adaptation)
19. Life history traits
20. Difference between territory and home range
21. Difference between conservation and preservation
22. Light pollution
23. Definition of herbivores and their two examples
24. Scientific name
25. Radiative equilibrium temperature
26. Water vapor mixing ratio
27. SSPs (Shared Socioeconomic Pathways)
28. Bénard-type convection
29. Subtropical jet
30. Milankovitch cycles