

Global Environment and Its Dynamics I / Thresholds in Environmental Dynamics I

Homework/Exercise (2019-1)

The uppermost part of the Earth is mainly composed of two types of rocks, granite and basalt. Real specimens of these rocks were shown in the lectures.

Granite and basalt are frequently found around us since they are very common materials on the Earth's surface. They are used as foundations of buildings, pavement stones, gravestones, memorial monuments, garden rocks, and so on. For example, gravestones of the famous Nodayama Graveyard at Kanazawa are mostly made from granite. Almost all construction stones of Borobudur in Java Island, Indonesia are basalt and andesite.

Accordingly, please find one granitic rock and one basaltic rock in the North Area of the Kakuma Campus in which the General Education Hall is located. You will be able to easily discover them in the area.

When you find them, first please sketch each of granite and basalt (one from a distance and one from close-up), then describe their general features on the basis of your observation and examination. Take the following points of the rocks to your attention; colours, textures, grain sizes, components (minerals), solidity/hardness, etc.

Please submit your report (result) at the class on the 13th of November 2019 at the classroom E10.

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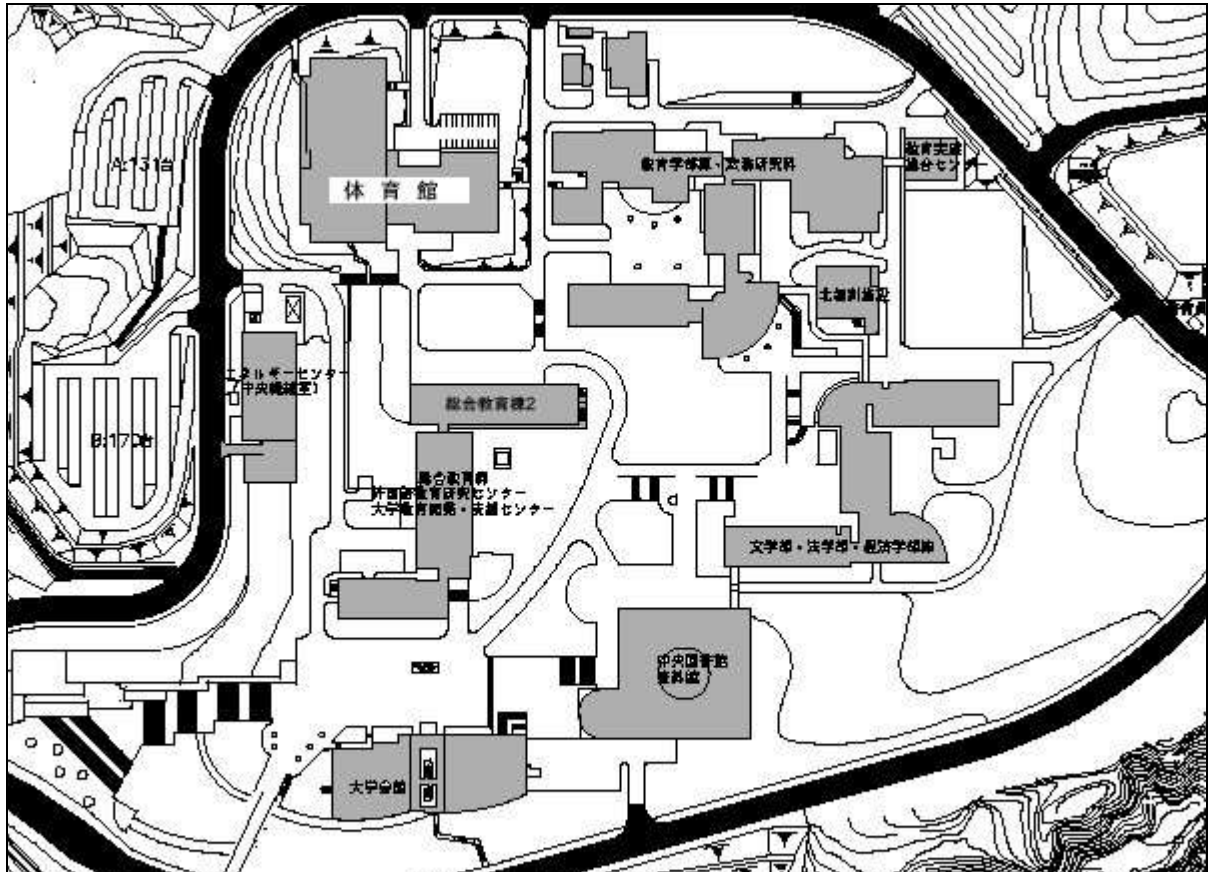
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| School/course: | Number: | Name: |
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| | |
|---|-----------------|
| Granite (distance view) | (close-up view) |
| <u>Description</u> _____ _____ _____ _____ | |

| | |
|---|-----------------|
| Basalt (distance view) | (close-up view) |
| <u>Description</u> _____ _____ _____ _____ | |

※Include a scale on the sketch.

Further descriptions (if any) and your impressions to this practice



The field of this practice