

Program Overview (Development Studies Programs Offered by Various Universities)

Name of University	Hokkaido University
Name of School	Graduate School of Engineering, Graduate School of Agriculture, Graduate School of Global Food Resources, Graduate School of Health Sciences
Features of School	Graduate School of Engineering : https://www.eng.hokudai.ac.jp/english/ Graduate School of Agriculture : https://www.agr.hokudai.ac.jp/en Graduate School of Global Food Resources : https://www.gfr.hokudai.ac.jp/ Graduate School of Health Sciences : https://www.hs.hokudai.ac.jp/
Program Outline	<p>This program introduces students to modernization and development projects implemented in Japan since the Meiji era (the 19th century) in disaster prevention, national land development, agriculture, public health, resource development and environmental conservation, with an emphasis on those implemented in Hokkaido. The latest trends are also discussed. Specifically, students will take the following subjects offered by the Graduate Schools of Engineering, Agriculture, Global Food Resources, and Health Sciences: “History of Resources Development and Environmental Conservation and Future Directions,” “Modernization and Future of Disaster Prevention in Japan,” “Modernization and Future of National Land Development in Japan,” “Agricultural Modernization in Japan” and “Health Science in Japan’s Modernization and Its Future Perspective.” The aim is to enable students to draw Japanese lessons they can apply to developing countries. After returning to their home countries, the students are expected to become leaders who can play a key role in formulating and implementing policies tailored to meet the needs of their respective countries by using Japan’s experiences as a reference.</p>
Outline of Subjects	<p>“History of Resources Development and Environmental Conservation and Future Directions”</p> <p>This course outlines the history of resources developments and environmental conservation in Japan with special emphasis on experiences in Hokkaido. Transfer of technologies overseas and future challenges will also be discussed.</p> <p>“Modernization and Future of Disaster Prevention in Japan”</p> <p>This course outlines the history of natural disaster and disaster prevention in Japan by focusing on flood, tsunami, and earthquake. Transfer of technologies overseas, future challenges, and physical mechanism of these natural disasters will also be discussed.</p> <p>“Modernization and Future of National Land Development in Japan”</p> <p>This course will provide students with an overview of the history, challenges, and</p>

	<p>advancements underlying national land development in Japan, with a focus on the planning, design, construction, operation and maintenance of social infrastructure. National land development will be explored from the perspectives of a variety of civil engineering disciplines, with accompanying practical examples from Japan and Hokkaido. The international transfer of Japanese expertise and experiences will also be examined, and future national land development will be discussed in the context of sustainable development.</p> <p>“Agricultural Modernization in Japan”</p> <p>This course outlines modernization and development projects implemented in Japan since the Meiji era (the 19th century) in disaster prevention, national land development, agriculture, public health, resource development and environmental conservation, with an emphasis on those implemented in Hokkaido and those implemented as part of the government’s development assistance. The latest trends are also discussed. The aim of the course is to enable students to draw Japanese lessons they can apply to developing countries. To achieve this aim, students will specifically learn the history and challenges of agricultural modernization in Japan, with a particular focus on the history of agricultural development in Hokkaido. Students are expected to gain the knowledge and skills required for the growth of developing countries going forward.</p> <p>“Health Science in Japan’s Modernization and Its Future Perspective”</p> <p>This course outlines the history of health science developments accompanying modernization of Japan with special emphasis on experiences in Hokkaido. Transfer of health strategy to overseas and future challenges will also be discussed.</p>
<p>Related URL</p>	<p>Syllabus Search http://syllabus01.academic.hokudai.ac.jp/Syllabi/Public/Syllabus/SylSearch.aspx</p>
<p>Program’s appeal</p>	<p>Lecture Photos:</p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="360 1536 876 1877">  </div> <div data-bbox="904 1536 1420 1877">  </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div data-bbox="371 1877 865 1953"> <p>“Mining geology class” in “History of resources development and environmental conservation and future direction”</p> </div> <div data-bbox="919 1877 1412 1953"> <p>“Post mining environment class” in “History of resources development and environmental conservation and future direction”</p> </div> </div>