

Sub-program	1. Realization of Sustainable Economic Growth and a Stable Society	
Component (Development Issues)	1-3. Agriculture and Rural Development	
Target Organization	Ministry of Agriculture, Forestry and Fisheries / Ministry of Water Resources and Meteorology / Ministry of Rural Development / Lecturer of National University (faculty of science and engineering field only)** **Lecturer who can submit public servant ID or equivalent documents only	
Background	<p>The agricultural, forestry, and fisheries industries accounts for 28.5% of the GDP (2007) and employs about 60% of the national work force (2007). Although its component ratio of the GDP has gradually been decreasing since 1993, these industries continue to remain important in the economy. Since agriculture sector which can make use of abundant natural resources and labor force has the potential to sell agricultural products and processed products at home and to export them to neighboring countries, the sector is required to lead entire Cambodian economy by its stable growth.</p> <p>It is believed that Cambodia possesses abundant water resources, but much of it is due to flooding of the Mekong River.</p> <p>Thus, the usable volume of water is limited due to difficulties in controlling the river. Although many irrigation facilities were constructed during the Pol Pot regime in the latter half of the 1970s, the majority of these facilities have depreciated over a period of 30 years. The Cambodian government has implemented projects to improve irrigation, but the ratio of irrigation improvements has been limited to only 20%.</p> <p>In addition, since a distribution system for agricultural products has not been developed, exportation is unofficially carried out near the Vietnam and Thai borders. Since farmer organizations also remain undeveloped, joint purchases, sales, shipments, and other economic activities by farmer groups are nonexistent.</p> <p>JDS Fellows are expected to acquire the knowledge useful for policy making/planning/implementations concerning agriculture, fisheries and forestry industry, water resource managements and so on.</p>	
Component	Objective/Research area	Outline of university program
1-3. Agriculture and Rural Development	<p>[Objective] Human Resources in the science and engineering field and involved in "Agriculture and Rural Development" learn policy making/ planning/ implementations concerning agriculture, fisheries and forestry industry, water resource managements and so on.</p> <p>[Research Area] In order that Cambodia might seek sustainable agricultural promotion while responding to global economic trends, as a means of complementing JICA's assistance for it, there is a need to contribute to human resource development in the long term. In particular, there is a need to place priority on developing human resources are able to take roles of drafting and planning measures and promotion policies to promote agriculture, forestry and fisheries, of managing and developing water resources to improve agricultural economy and productivity, and of developing technology to improve farming. * Human resources who have background in field of science and engineering field are preferable</p>	<p>The course develops specialized human resource for the irrigation farming and farming support, collective development at the local level and for the promotion of agri-businesses.</p> <p>Then, utilizing Japan's rich experience in the paddy-field agriculture and the water resource management, we aim at improving abilities relating to revitalization of agricultural and rural village economies, water resource development and maintenance of irrigation facilities, the sustainable forest resource management, and extensive problem solving concerning the agriculture and forestry sector.</p>