

Department Name: Department of Bioresource and Bioenvironment, School of Agriculture
International Undergraduate Program

Diploma Policy

Educational Goals	<p>The Kyushu University School of Agriculture Department of Bioresource and Bioenvironment seeks to nurture the growth of a diverse range of students with a balanced outlook and the ability to study an abundance of issues as well as the expertise and techniques that are valid at an international level in academic fields related to biological production, biological functions, and biological environments, and to expand educational research activities. In accordance with these educational goals, the faculty confers a bachelor's degree on persons who achieve the following educational objectives:</p> <ul style="list-style-type: none">◆ Acquired basic knowledge regarding biology, chemistry, and physics, and developed the ability to apply this knowledge.◆ Acquired enhanced awareness regarding the natural sciences, in particular regarding their major, and the ability to solve a variety of problems.◆ Developed abilities as a researcher and practitioner, and nurtured basic capabilities as a specialist professional who can be active in a range of fields. <p>In particular, the International Undergraduate Program (IUP) in the Faculty of Agriculture fosters highly specialized human resources who have an awareness of issues related to a wide range of global issues, such as environmental and energy problems associated with economic development, disasters and infectious diseases caused by climate change, and who possess an international sense that enables them to develop agriculture and solve problems in countries around the world with different geopolitical situations. In accordance with this educational policy, we aim to develop international human resources with a broad perspective across disciplines. To this end, we aim to achieve the following educational goals.</p> <ul style="list-style-type: none">• Awareness of a wide range of global issues such as the environment, energy, climate change, and infectious diseases.• To understand the unique natural environment and biological production technologies based on the geographical and cultural background of each country in the world, and to understand the development and problems of
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	<p>agriculture on a global scale.</p> <ul style="list-style-type: none"> • To acquire rational leadership skills that lead to problem solving from a global perspective based on scientific evidence. • To acquire the knowledge and skills to lead the future development of agriculture on a global scale as well as the specificity of each region. <p>Specifically, it offers a degree program aimed at achieving the study goals listed below.</p>
Reference Points	<p>Refer to the Science Council of Japan Reference Standards by Field “Reference Standards for Quality Assurance in Structuring University Education by Field: Agriculture Field” (2015).</p> <p>http://www.scj.go.jp/ja/info/kohyo/pdf/kohyo-23-h151009.pdf</p>
Learning Objectives	<p>A. Proactive Learning and Collaboration</p> <ul style="list-style-type: none"> • A-1. (Proactive Learning) Students are able to identify problems independently, scrutinize and examine them creatively and critically, informed by deep expertise and a wide-ranging liberal arts education. • A-2. (Collaboration) With a global perspective, students are able to exchange diverse knowledge and work with others to solve problems. • Students develop an interest in a wide range of natural sciences, especially those related to agriculture, forestry, fisheries, environmental science, and biotechnology.. • Students are able to disseminate and assimilate information efficiently based on global communication through writing→written expression, oral presentation and discussion skills. • Students cultivate skills of information processing and communication, and are able to express their own thoughts correctly. <p>B. Knowledge and Understanding</p> <ul style="list-style-type: none"> • Students understand and are able to explain basic knowledge concerning physics. • Students understand and are able to explain basic knowledge concerning mathematics. • Students understand and are able to explain basic knowledge concerning biology. • Students understand and are able to explain basic knowledge concerning chemistry. • Students understand and are able to explain basic knowledge concerning social science. • Students understand and are able to explain basic knowledge about global

	<p>agriculture.</p> <ul style="list-style-type: none"> • Student understand and are able to explain interdisciplinary knowledge by integrating knowledge acquired across the following fields. <p>C. Skills</p> <p>C-1. Skills (C-1 Professional Competence)</p> <ul style="list-style-type: none"> • Students are able to deepen their understanding of specialized fields and are able to utilize the acquired knowledge. • Students are able to process various phenomena analytically and numerically. • Students are able to understand and correctly apply analytical techniques and theories using physical, chemical, and biological principles. • Students are able to analyze and evaluate the results of experiments and investigations, and express their own ideas correctly. <p>C-2. Skills (C-2 Integration and Creativity)</p> <ul style="list-style-type: none"> • Students are able to integrate knowledge and use it to solve problems. • Students are able to identify issues and are able to figure out how to solve problems. <p>D. Practice (Application of knowledge and understanding in practical scenes)</p> <ul style="list-style-type: none"> • Students are able to apply interdisciplinary knowledge to research and developments. • Students are able to consider various problem-solving methods from multifaceted perspectives. • Students have an international perspective and are able to propose solutions to global issues. • Students acquire and practice scientific methods and logical thinking. • Students are able to maintain and demonstrate a willingness to contribute their interdisciplinary knowledge to society.
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