

## ◆ The Ideal Leaders Fostered by GRM Program

Global Resource Management (GRM) Program is based on our view that the true nature of global resource management lies in building and improving infrastructures as a common resource for sustainable development and public peace, through the appropriate and fair management and operation of natural, human, and capital resources. This interdisciplinary educational program aims to develop graduates able to: tackle optimization problems in the natural sciences with a firm grasp of the big picture that includes social science aspects; resolve current global issues with an understanding that national and social infrastructures are systems created by the people; and foresee and prevent potential difficulties. Prospective students should ideally have the following characteristics;

- ① Aspires to resolve issues by working and learning alongside people facing life-threatening situations, such as disaster, conflict, and poverty.
- ② Possesses critical thinking skills and a good command of English and any other language necessary for research, and strives to contribute to society with an ethical view of science and technology.
- ③ Aims to contribute to religious and ethnic harmony through an understanding of fairness based on an integrated knowledge of both the sciences and humanities, to control the emergence of any new problems faced on a global scale, and to provide assistance for recovery and development from existing struggles.
- ④ Desires to promote sustainable development and wealth disparity reduction in newly developing countries that have overcome their struggles, and to form strategic partnerships with these countries.

GRM Program is a five-year comprehensive doctoral program. Preliminary Examination (PE) will be conducted at the end of the first year of Master's Degree Program and Qualifying Examination (QE) will be conducted at the end of the second year of Master's Degree Program.

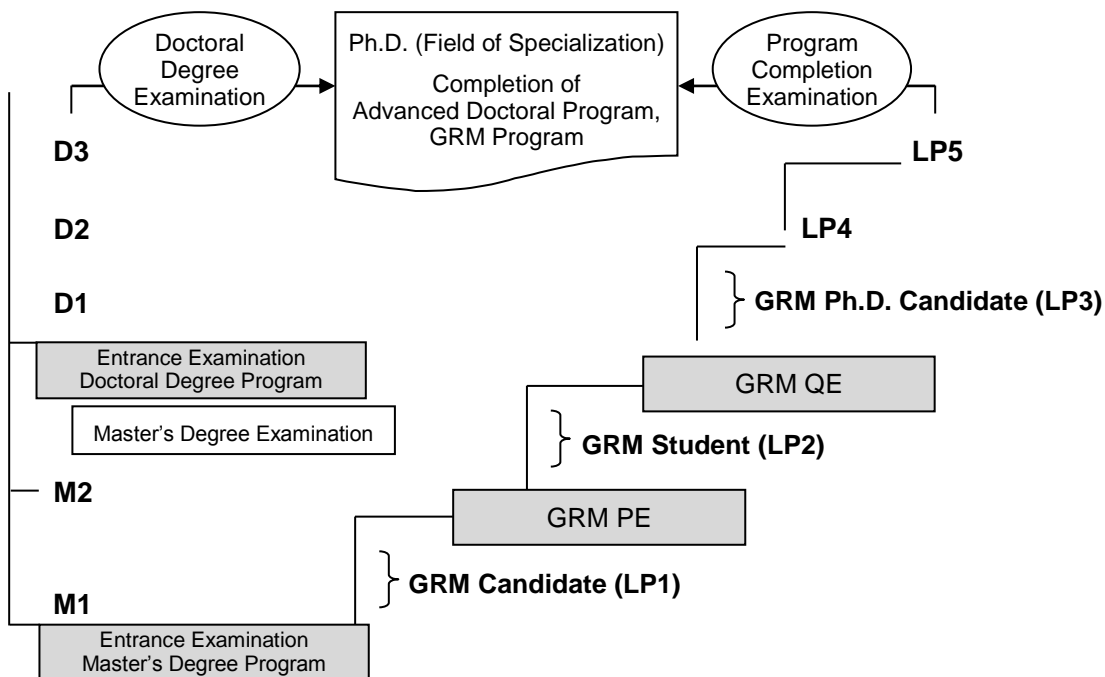
The purpose of PE is to select students to be admitted into the program: it consists of a statement of purpose, an academic progress report, a written examination (essay), an oral examination, and a letter of recommendation from the academic supervisor.

The purpose of QE is to assess the student's eligibility to continue with the program: it consists of an oral examination based on a research proposal, conducted to confirm that the student is making progress towards the preparation of a doctoral dissertation, and that he or she has acquired the knowledge and skills required to continue with the program.

## ◆ Global Resource Management Program

GRM Program was conceived in response to the university's principle of providing an "education of conscience" and its aim to create a new interdisciplinary graduate program that reflects the university's success in globalizing its education. This is a program unique to the university in which the spirit of the university's founder, Joseph Hardy Neesima, lives on: instead of elitist leaders, this program will foster global leaders who will work in developing or especially troubled countries and regions to tackle issues from the perspective of the local people, utilizing integrated knowledge from both the sciences and humanities.

To nurture such global leaders, GRM Program is offered as a five-year doctoral program. Students newly enrolled in any of the core or collaborating graduate schools and majors as listed in Table 1 will be accepted on the program. Those who wish to participate in the program will take courses unique to the program, in addition to the required the curriculum of Master's Degree Program of the affiliated graduate school. At the end of the first year of Master's Degree Program, students will take Preliminary Examination (PE) of GRM Program, and those who pass PE will be formally accepted into the program as GRM Students. During Master's second year, around the same time as the final examination for the master's degree, Qualifying Examination (QE) will be taken place for GRM Students to assess whether they qualify to continue with the program.



PE consists of a statement of purpose, an academic progress report, a written examination (essay), and an oral examination. It is designed to test the students' basic academic skills of being able to assimilate and comprehend course materials, and to confirm their desire to participate in the program.

QE takes the form of an oral examination based on a statement of reasons for continuing study or a statement of purpose, and a research proposal (English or Japanese). In addition to the students' basic academic skills, QE will also assess their planning and designing skills and their ability to conduct research and practical management based on their plans. Those who pass QE will advance into the doctoral program as GRM Ph.D. Candidates. They will continue to follow the requirements of their respective graduate schools and of GRM Program.

The final examination for program completion will be held for GRM Ph.D. Candidates who have obtained the required course credits for their respective graduate school and the additional 20 credits required for the GRM Program, and who have achieved a certain level of performance. Those who pass the program completion examination and the doctoral dissertation examination for their respective graduate schools will receive a doctorate diploma in their respective field of specialization, indicating successful completion of the Program for Leading Graduate Schools (GRM).

※ Students must also pass an entrance examination for the doctoral program of the core or collaborating graduate schools and majors as listed in Table 2.

**Table 1:** Graduate Schools and Majors Participating in GRM Program (Master's Degree Program)

<p><b>Core</b> Graduate Schools and Majors</p>	<p>Graduate School of Global Studies (Global Studies) Graduate School of Science and Engineering Information and Computer Science Electrical and Electronic Engineering Mechanical Engineering Applied Chemistry Science of Environment and Mathematical Modeling</p>
<p><b>Collaborating</b> Graduate Schools and Majors</p>	<p>Graduate School of Theology (Theology) Graduate School of Letters (Philosophy) Graduate School of Social Studies (Social Welfare, Industrial Relations) Graduate School of Law (Public Law) Graduate School of Economics (Economic Theory, Applied Economics) Graduate School of Commerce (Commerce) Graduate School of Policy and Management (Policy and Management)</p>

※ For students who enrolled before 2011, substitute the Graduate School of Science and Engineering with the Graduate School of Engineering (and Applied Chemistry with Industrial Chemistry).

**Table 2:** Graduate Schools and Majors Participating in GRM Program (Doctoral Degree Program)

<p><b>Core</b> Graduate Schools and Majors</p>	<p>Graduate School of Global Studies (Global Studies) Graduate School of Science and Engineering Information and Computer Science Electrical and Electronic Engineering Mechanical Engineering Applied Chemistry Science of Environment and Mathematical Modeling</p>
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<b>Collaborating</b> Graduate Schools and Majors	Graduate School of Theology (Theology) Graduate School of Letters (Philosophy) Graduate School of Social Studies (Social Welfare, Industrial Relations) Graduate School of Law (Public Law) Graduate School of Economics (Economic Policy) Graduate School of Commerce (Commerce) Graduate School of Policy and Management (Policy and Management)
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