This course is mainly designed for technical officers who work in the field of extension of rice cultivation techniques to learn fundamental rice cultivation techniques mainly in lowland and methodologies of extension and experiment. It is a very practical course with more than 60% of training time allocated to experiments and practices at the field and facilities of JICA Tsukuba.

**Objective**: Capacity of participants on fundamental rice cultivation techniques and extension and experiment of them is enhanced.

**Outcome**
1. Participants acquire fundamental rice cultivation techniques.
2. Participants acquire methodologies of planning and implementation of extension on rice cultivation techniques.
3. Participants acquire methodologies of planning and implementation of experiment on rice cultivation techniques to implement extension activities logically.

**Contents**

**[Preliminary phase]** Prepare Inception Report on current situation and challenges of rice cultivation and extension in participant’s country.

**[Phase in Japan]**
1. Clarify challenges of participant’s country (presentation of Inception Report)
2. Learn fundamental rice cultivation techniques and methodologies of extension and experiment on rice cultivation techniques through practices, lectures and site visits:
   (i) Rice cultivation techniques: Process of rice cultivation, Morphology of rice, Physiology and ecology of rice, Soil environment and plant nutrition, Rice breeding, Weed control, Diseases and insect pests, Post-harvest, Water control, Operation of farm machine etc.
   (ii) Extension methodologies: Planning and management of agricultural extension, Agricultural extension system in Japan, Extension methods etc.
   (iii) Experiment methodologies: Planning of experiment, Growth and yield survey method, Statistical analysis, Report writing etc.
3. Prepare report on knowledge and techniques acquired during the program and ideas to utilize them in home country.

**Target Organization / Group**

- **[Target Organization]**
  Agricultural Extension center, Research center, Educational institute, which are engaged in extension of rice cultivation techniques.

- **[Target Group]**
  1) Engaged in implementing/planning extension activities/experiments of rice cultivation
  2) Have more than 5 years experience of rice cultivation
  3) Have good English proficiency

- **Others**
  1) Involved in JICA project
  2) Age between 28 and 48