

**OUTLINE OF
GROUP TRAINING COURSES
&
TRAINING COURSES
SPECIALLY OFFERED
IN
JAPANESE FISCAL YEAR 2000**

COURSES STARTING BETWEEN APRIL 2000 AND MARCH 2001

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OUTLINE OF GROUP TRAINING COURSES & TRAINING COURSES SPECIALLY OFFERED IN JAPANESE FISCAL YEAR 2000

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NOTE

This catalog gives the outline (not all detailed explanation) of each of the "Group Training Courses" and "Training Courses Specially Offered" conducted by JICA in Japan.

It is intended to describe particular points of the respective courses in the limited space of this catalog, and thus some of the common facts and conditions such as follows are not mentioned under each course.

- common points not mentioned on each page -
(applicable to all courses)

- 1) **PURPOSE:** to contribute to promotion of mutual understanding
- 2) **CURRICULUM:** Briefing/orientation session, country report, observation/study visit, and wrap-up/evaluation session are basic elements of curriculum.
- 3) **QUALIFICATION OF APPLICANT:**
 - (a) to be nominated by his/her government in accordance with the relevant procedures
 - (b) to have sufficient command of English (as for some courses, French) language
 - (c) to be in good health, both physically and mentally, to undergo the training (Pregnancy is regarded as a disqualifying condition.)
 - (d) not to be serving in the military

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SEMINAR ON WOMEN IN ENVIRONMENT AND DEVELOPMENT

Jan. 22, 2001 - Mar. 14, 2001, 7 participants

[環境と開発と女性]セミナー

J-00-03461

- 1. PURPOSE** Environmental issues are becoming more serious, especially in developing countries. In order to overcome these problems, it is essential to define the role of women in global environmental preservation, as well as in the achievement of sustainable development of countries. By taking the idea of WID (Women in Development) into consideration, this seminar will enable the participants to understand the importance of balancing environmental conservation and national development. It will also help participants implement effective countermeasures against environmental pollution, according to their respective positions (from NGO to government levels).
- 2. MAIN FEATURES OF CURRICULUM** Participants will be able to upgrade their knowledge and capabilities necessary for the management of environmental protection from women's point of view through lectures, discussions and observation. The main themes in the seminar are: (1) global environmental problems (2) environmental administration in Japan (3) measures for living environment control (4) women in development (WID) (5) public health and reproductive rights (6) environmental history of Kitakyushu City and anti-pollution movement promoted by women (7) environmental impact assessment, and (8) environmental education.
- 3. QUALIFICATION OF APPLICANT** Applicants should be (1) government officers or staffs of a non-governmental organisation currently in charge of environmental problems or women's issues (2) with 3 years of occupational experience in the field, (3) university graduates or the equivalent, and (4) no more than 45 years of age.
- 4. TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) Kitakyushu Forum on Asian Women
- 5. REMARKS**

OISCA RURAL LIFE IMPROVEMENT AND COMMUNITY DEVELOPMENT FOR WOMEN

Jan. 15, 2001 - Dec. 18, 2001, 15 participants

オイスカ農村女性のための生活改善と地域開発 J-00-03429

- 1. PURPOSE** The purpose of this course is to provide those who are leading the rural women in community development at the grass-roots level with the skills and knowledge for improvement of daily life and the effective way of extension for the fellow rural women in the community. The participants are expected to contribute to empowerment of rural women and community development through practical and organization skills acquired after the training.
- 2. MAIN FEATURES OF CURRICULUM** Trainees are expected to acquire the skills and knowledge for improvement of rural life and empowerment of rural women to make contributions to the development of agricultural village society in their respective countries. (1) Advance preparation; Intensive Japanese language training. Japanese life-style in rural areas. (2) Practical skills for rural life improvement; Agriculture Improvement, Nutrition/Hygiene Improvement, Improvement of clothing for labor hygiene. (Through the training course of (2), the trainees are expected to understand the roles of extensionists who work for rural women and effective management of extension activities.) (3) Promoting women's participation in development process; Exchange of views with women's organizations about the related topics mentioned below (the activities of each women's group, income generation, organizing women's groups) (4) Development of action plan; Drawing up and presentation of action plans.
- 3. QUALIFICATION OF APPLICANT** (1) No less than the level of high school graduates or the equivalent level of academic learning. (2) those who are 20 years old or more, and 30 years old or less. (3) to have at least two-year practical experience of agricultural extension work and/or experience of home living improvement extension work as a field-level extensionists or as a woman leader of a community. (4) to be committed to work in the future after the training as extension workers or leaders in rural development.
- 4. TRAINING INSTITUTIONS** OISCA Shikoku Training Center
- 5. REMARKS**

SEMINAIRE SUR L'INTEGRATION DE LA FEMME DANS LE DEVELOPPEMENT RURAL

Jul. 20, 2000 - Sep. 2, 2000, 8 participants

セミナー：女性と農村開発

J-00-03420

- 1. PURPOSE** This seminar is aims to upgrade participants' knowledge on each country's rural development planning, especially focusing on women's roles in promoting their social status and welfare.
- 2. MAIN FEATURES OF CURRICULUM** (1) to understand the problems of each country's rural development (2) to understand the concept of "Gender and Development (GAD)" and it's importance in rural development (3) to obtain the knowledge and tools of "Gender Analysis". (4) to obtain the knowledge and tools of the project for rural development and enhance the ability of planning (5) to understand the scheme of JICA (6) to know the Japanese society and Japanese people
- 3. QUALIFICATION OF APPLICANT** (1) Officials of central or local government in charge of rural development planning (2) To be between 30 years old and 45 years old (3) to have some relation with JICA activities or will have in the future
- 4. TRAINING INSTITUTIONS** Institute for International Cooperation (IFIC), JICA.
- 5. REMARKS** This course will be conducted in French.

SEMINAR ON INTRODUCTION TO JAPAN'S ODA AND JICA'S ACTIVITIES

Jul. 4, 2000 - Jul. 30, 2000, 10 participants

日本のODA及びJICA事業紹介セミナー

J-00-03328

- 1. PURPOSE** This seminar is designed: (1) to familiarize participants with the policy and programmes of Japan's ODA; (2) to familiarize participants with the concept, mechanism, and procedures of programmes of JICA; (3) to familiarize participants with the abstracts of the activities of other Japan's ODA institutes; (4) to expose participants to Japan and the Japanese people to develop friendship and mutual understanding.
- 2. MAIN FEATURES OF CURRICULUM** The following topics will be covered in the seminar: (1) general introduction to Japan and the Japanese people (2) general introduction to Japan's ODA system (a) Ministry of Foreign Affairs and Japan's ODA policy (b) JICA and her role (c) Japan Bank of International Cooperation (JBIC) and her role (3) introduction of JICA's each department (a) activities of each department (b) programmes and procedures (4) Project Cycle Management Method (5) Sightseeing (Kyoto, Hiroshima)
- 3. QUALIFICATION OF APPLICANT** Applicants should: (1) be nominated by their government (2) be official in the rank of director of the division in charge of administration of development assistance programme implemented with Japanese Government, preferably with JICA (3) have a sufficient command of spoken and written English (4) be in good health, both physically and mentally, to undergo the training (5) not be serving in the military
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) IC Net Co.,
- 5. REMARKS**

SEMINAR ON ODA LOANS

Sep. 5, 2000 - Sep. 23, 2000, 22 participants

ODAローンセミナー

J-00-03316

1. **PURPOSE** This seminar is designed: (1) to facilitate smooth and effective implementation of ODA loans, by enhancing participants' understanding of its system and procedures through lectures and discussions. (2) to exchange views on operation of ODA loans among participants and the officials of the Japan Bank for International Cooperation (JBIC).
2. **MAIN FEATURES OF CURRICULUM** The curriculum is made up of the following subjects. (1) Japan's culture, economy, etc. (General Orientation by JICA) (2) Japan's ODA policy (3) Roles and activities of JBIC (4) JBIC project cycle and loan procedures (5) Presentation and discussion of Country Report prepared by participants (6) Visits to public sector projects
3. **QUALIFICATION OF APPLICANT** (1) senior officer of a competent government office in charge of matters directly related to overall administration of ODA loans (2) have work experience of at least two-three years in the field of foreign aid receiving and development project (3) university graduate or equivalent (4) desirably between 30 and 45 years old of age
4. **TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Japan Bank for International Cooperation (JBIC)
5. **REMARKS**

DEVELOPMENT POLICIES

May 11, 2000 - Oct. 13, 2000, 12 participants

開発政策

J-00-00171

1. **PURPOSE** The purpose of the course is to train the participants to learn the way of applying development economics to development planning in respective countries. The participants will be introduced to (1) development economics in general (2) national and regional development planning, and the interrelationship of individual projects, using case studies of developing countries and Japan, (3) the theory of project appraisal and planning by case studies so as to apply new knowledge to the workshops as practice.
2. **MAIN FEATURES OF CURRICULUM** The following major subjects will be covered in the course. (1) macroeconomics and development economics (2) theories and techniques of micro project planning (3) macro development planning (4) Japanese economic development (5) introduction to empirical analysis (6) macro-sectoral workshop (7) Final Thesis. All the participants will be requested to write a research paper based on the knowledge and techniques of economic analysis.
3. **QUALIFICATION OF APPLICANT** (1) working on the planning or implementation of national or regional development projects and policy, and preferably be under 35 years of age (2) has an undergraduate degree in economics or business administration as well as basic experience and knowledge regarding development projects (3) has a good background of mathematics (4) has a sufficient command of English (scoring more than 550 on the TOEFL or its equivalent)
4. **TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) International Development Center of Japan (IDCJ)
5. **REMARKS**

SEMINAR ON ECONOMIC DEVELOPMENT AND INDUSTRIAL PROJECT APPRAISAL

Jun. 5, 2000 - Jul. 16, 2000, 10 participants

工業プロジェクト評価と経済開発セミナー

J-00-03310

1. **PURPOSE** This seminar is designed for senior officials engaged in planning of economic policy. The purpose of this seminar is to introduce (i) the latest issues of financial, economic, and socioeconomic analysis of industrial projects, and (ii) an overview of theory, practice of industrial development, related policy issues, small and medium enterprises and Japanese production management system drawing upon the development experience of Japan, and thereby to contribute to planning of policy in developing countries.
2. **MAIN FEATURES OF CURRICULUM** This seminar emphasizes policy issues and discussions based on the latest issues of development, and mainly covers: (1) project appraisal (2) economic development of Japanese experience (3) workshop and presentation of reports (4) presentation of Country Report (5) Observation of factories and governmental organizations.
3. **QUALIFICATION OF APPLICANT** (1) Senior officials having basic knowledge and experience of either project appraisal or economic development planning (2) over 8 years' work experience in the fields covered by the seminar (3) between 37 and 45 years of age.
4. **TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) International Development Center of Japan (IDCJ)
5. **REMARKS**

ENTERPRISE NETWORKING REGIONAL DEVELOPMENT

Oct. 24, 2000 - Dec. 12, 2000, 10 participants

企業ネットワークによる中小企業振興

J-00-03419

1. **PURPOSE** The training will help the participants formulate the strategies to organize enterprise networking systems in local communities of developing countries. The participants will be introduced to: (1) the significance of local industries in national economic development in Japan (2) the methods of promoting local industries as a core of regional development and (3) the applicability of the concept of enterprise networking in participating countries.
2. **MAIN FEATURES OF CURRICULUM** The following major subjects will be covered in the course: (1) concept of local industries (2) development of local industries in Japan (3) various methods of creating enterprise networking (4) role of local government in promoting enterprise networking (5) role of private sector initiatives in maintaining and developing enterprise networking and (6) training materials which will emphasize field trips by which the participants will have ample opportunity to observe existing enterprise networking in metal processing and textile industries in Niigata Prefecture, Japan
3. **QUALIFICATION OF APPLICANT** (1) currently working on the planning or implementation of local or regional industrial development projects and policy or those who are actively engaged in management of economic organization of public character, and preferably over 30 and under 40 years of age (2) university graduate or equivalent
4. **TRAINING INSTITUTIONS** Tokyo International Centre (TIC), JICA
5. **REMARKS**

PROJECT PLANNING AND MANAGEMENT IN PARTICIPATORY LOCAL SOCIAL DEVELOPMENT

Oct. 2, 2000 - Nov. 13, 2000, 8 participants

参加型地域社会開発のプロジェクト計画・管理 J-00-03489

- 1. PURPOSE** To provide with theories and practices of "Participatory Local Social Development" that aims to integrate people's participatory approach and particular characteristics of a local community/society system. It is expected to improve the effectiveness of local social development projects in developing countries.
- 2. MAIN FEATURES OF CURRICULUM** The course consists of lectures, group discussions, workshops and field trips as follows. The participants participate in workshops, group discussions and field trips, so that they learn practical cases. (1) people's participatory approach with analytical framework of local community/society system (2) introduction and analysis of sector-wise local social development projects (environmental protection, local welfare, poverty prevention, health care strategy and women in development) (3) the participants' presentation of case studies of local social development projects in developing countries (4) introduction of case studies of Japanese local social development projects and Japanese local activities (5) introduction of participatory project management method and its workshop (6) workshops to improve local social development projects in participants' countries (7) field trips at sites of local projects and activities in Japan
- 3. QUALIFICATION OF APPLICANT** (1) university graduate or equivalent scholarly background with occupational experience of more than 3 years (2) governmental officials (especially, regional or local governmental officials) or non-governmental organizations' staffs (3) between twenty-eight '28' and forty-five '45' years of age. (4) Engaged in JICA's project for participatory development.
- 4. TRAINING INSTITUTIONS** Nihon Fukushi University
- 5. REMARKS**

SEMINAR ON ADMINISTRATION FOR RURAL/REGIONAL DEVELOPMENT: ONE VILLAGE, ONE PRODUCT MOVEMENT

Sep. 25, 2000 - Nov. 12, 2000, 12 participants

地域振興行政セミナー(一村一品運動) J-00-03427

- 1. PURPOSE** The purpose of this training course is to enable administrative officers who are involved in the field of rural/regional development to apply practical development schemes by studying Japanese successful cases and comprehending effective administrative strategies and operations for the development. Main objectives of this course are as follows; (1) to study "One Village, One Product Movement" in Oita, Kyushu, Japan and to comprehend roles of public sector and private sector for rural/regional development (2) to understand historical, economic, and socio-cultural background of successful rural/regional development in Oita (3) to acquire methods of policy-making for the development, and (4) to analyse the background of the cases and to speculate about application strategies for participants' countries.
- 2. MAIN FEATURES OF CURRICULUM** The training programme consists of lectures, observations, communications with local residents and discussion. The major subjects covered in this programme are: (1) introduction for "One Village, One Product Movement" in Oita (2) tourism development in Oita (3) agricultural development in Oita (4) a case of regional development through tourism development in Yufuin (5) a case of regional development through environmental conservation in Kuju (6) a case of agriculture oriented rural development in Oyama, and (7) discussion on application strategies for participants' countries.
- 3. QUALIFICATION OF APPLICANT** (1) Administrative officers who are currently involved in planning of rural/regional development (2) university graduate or the equivalent (3) the age of between 30 and 50 (4) fluent in English, and (5) not serving in any form of military services
- 4. TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) Oita Prefecture Overseas Coordination Office
- 5. REMARKS** A compulsory 50-hour Japanese language course will be conducted prior to the technical training.

PARTICIPATORY LOCAL SOCIAL DEVELOPMENT; THEORIES AND PRACTICES

Feb. 5, 2001 - Mar. 26, 2001, 10 participants

参加型地域社会開発の理論と実践 J-00-03352

- 1. PURPOSE** To provide with theories and practices of "Participatory Local Social Development" that aims to integrate people's participatory approach and particular characteristics of a local community/society system. It is expected to improve the effectiveness of local social development projects in developing countries.
- 2. MAIN FEATURES OF CURRICULUM** The course consists of lectures, group discussions, workshops and field trips as follows. The participants participate in workshops, group discussions and field trips, so that they learn practical cases. (1) people's participatory approach with analytical framework of local community/society system (2) introduction and analysis of sector-wise local social development projects (environmental protection, local welfare, poverty prevention, health care strategy and women in development) (3) the participants' presentation of case studies of local social development projects in developing countries (4) introduction of case studies of Japanese local social development projects and Japanese local activities (5) introduction of participatory project management method and its workshop (6) workshops to improve local social development projects in participants' countries (7) field trips at sites of local projects and activities in Japan
- 3. QUALIFICATION OF APPLICANT** (1) university graduate or equivalent scholarly background with occupational experience of more than 3 years (2) governmental officials (especially, regional or local governmental officials) or non-governmental organizations' staffs (3) between twenty-eight '28' and forty-five '45' years of age
- 4. TRAINING INSTITUTIONS** (1) Chubu International Centre (CBIC), JICA (2) Nihon Fukushi University
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for one week (25 hours).

GENERAL MANAGEMENT SEM. FOR REGIONAL DEVELOPMENT AND PLANNING

Oct. 23, 2000 - Dec. 16, 2000, 7 participants

地域開発計画管理セミナー

J-00-00586

- 1. PURPOSE** This course is designed to provide the participants with a practical knowledge and wide-range perspectives for planning and management of regional development policies through the effective combination of case studies, lectures, discussions and field-trips regarding regional development in Hokkaido.
- 2. MAIN FEATURES OF CURRICULUM** Main themes of this course are as follows: (1) How to plan and manage regional development policy through studying several projects in Hokkaido (2) the various methods of planning and promoting local-level projects. (3) the basic knowledge of close relation between development planning and environmental problems. (4) the basic policy and systems for regional development in Hokkaido
- 3. QUALIFICATION OF APPLICANT** (1) engaged in the planning or implementation of national or regional development projects and policy (2) have business experience in the field of Regional Development Administration for more than two years, (3) university graduate or equivalent (4) over 25 and under 40 years of age
- 4. TRAINING INSTITUTIONS** (1) Hokkaido International Centre, Sapporo (HICS), JICA (2) Hokkaido Development Bureau
- 5. REMARKS**

LOCAL GOVERNMENT ADMINISTRATION AND PUBLIC SERVICES

no executed in FY 2000

地方自治体行政

- 1. PURPOSE** This course is intended to introduce the general framework of Japanese local governments and public services to officials of medium-scale local governments in participating countries. The course provides them with lectures in topics such as taxation system, educational administration, public welfare, health, medical care, environmental sanitation, etc.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the following topics will be covered by lectures and study tours: (1) local government systems (2) administrative practice: environmental sanitation, water supply and sewage work, health and medical care, public welfare, education, agriculture and forestry, promotion of commerce and industry (3) system of parliamentary election
- 3. QUALIFICATION OF APPLICANT** (1) college graduate or equivalent (2) sectional or department head of administration sections responsible for overall functions of local governments (3) less than 45 years of age
- 4. TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Ibaraki City Hall
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for two weeks.

ASOSAI WORKSHOP

Apr. 9, 2000 - Apr. 26, 2000, 16 participants

ASOSAIワークショップ

J-00-03224

- 1. PURPOSE** The purpose of this WORKSHOP is to provide forum for ASOSAI training specialists to seek concepts, mandates, and methodologies of audit of revenue and fraud awareness in ASOSAI member SAIs and, on the basis of such discussions, to prepare training materials on these topics.
- 2. MAIN FEATURES OF CURRICULUM** The tentative programme includes plenary session on the sub-themes, sub-group discussions, and observation tours.
- 3. QUALIFICATION OF APPLICANT** should be senior officials of the Supreme Audit Institutions of ASOSAI (Asian Organization of Supreme Audit Institutions) member countries who are either IDI (INTOSAI Development Initiative) Certified Training Specialist or have expertise knowledge and audit experiences on the Workshop topics.
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Board of Audit of Japan
- 5. REMARKS**

ADMINISTRATION MANAGEMENT FOR ENVIRONMENTAL RESTORATION AND CONSERVATION BY MINAMATA CITY GOVT LESSONS

Oct. 16, 2000 - Nov. 29, 2000, 10 participants

地方自治体による環境再生・保全行政(水俣病の経験と教訓) J-00-03485

- 1. PURPOSE** This programme is designed for officials engaged in environmental conservation in developing countries. The purpose of this training course is to enable them to realize and understand how seriously environmental pollution affects communities and local residents, through a representative example of the organic mercury pollution occurred in and around Minamata Bay, which gravely affected health of the inhabitants, known as "Minamata Disease". In addition, the training participants are expected to study the administration management for environmental protection in collaboration with citizens, which is necessary to realize sustainable regional development, through introduction of the efforts made by Minamata City toward pollution control and environmental restoration.
- 2. MAIN FEATURES OF CURRICULUM** The training course consists of lectures, practices, discussions, observations and communication with local residents. The major subjects covered in this programme are: (1) National/Prefectural/Minamata City's environmental policies and administration (2) Causes of "Minamata Disease" and its mechanism (3) Physical and mental injury by Minamata Disease and its deleterious effects on local communities (4) Present condition of natural environment in Minamata (5) Environmental impact assessment (6) Efforts made by Minamata City Government and local residents toward environmental conservation (7) Communication with patients of Minamata Disease, their families and citizens (8) Final report presentation
- 3. QUALIFICATION OF APPLICANT** Applicants should: (1) be nominated by their government in accordance with the formal procedures, (2) be officials in central or local government, having experience in environmental conservation and pollution control for more than 5 years, and in position of management section, (3) be at least university graduate, (4) have sufficient command of spoken and written English, (5) be under 50 years of age, (6) be in good health, both physically and mentally, to undergo the training, and (7) not be serving in any form of military services.
- 4. TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) Minamata City Government and related organizations
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for one-week (25 hours).

GOVERNMENT AUDITING SEMINAR (AUDITING ON PUBLIC WORKS)

Feb. 12, 2001 - Mar. 18, 2001, 8 participants

政府会計検査セミナー(公共事業会計検査)

J-00-00257

- 1. PURPOSE** The purpose of this seminar is to give SAI (Supreme Audit Institution) auditors an opportunity to study and discuss Auditing on public works and techniques and thus contributes to SAI auditors' audit capabilities in this field.
- 2. MAIN FEATURES OF CURRICULUM** This seminar aims to introduce Japan's experience in auditing on public works.
- 3. QUALIFICATION OF APPLICANT** (1) officials of the Supreme Audit Institution, who have no less than 10 years of audit experience (2) under 40 years of age
- 4. TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) Board of Audit
- 5. REMARKS**

INTERNATIONAL FORENSIC SEMINAR ON COUNTERFEIT CURRENCY

Feb. 27, 2001 - Mar. 17, 2001, 5 participants

偽造通貨に関する国際法科学セミナー

J-00-03434

1. **PURPOSE** The purpose of the seminar is to provide the participants with the skills and methods of identification of counterfeit currency, as well as to reinforce the effectiveness of the scientific investigation to previously prevent counterfeit currency from being distributed in each participating country.
2. **MAIN FEATURES OF CURRICULUM** (1) Printing methods of paper currency and observation of printing factories. (2) Identification methods of paper currency and its practice (3) Information and views exchange on counterfeit currency (4) Analysis methods of currency and its practice (5) Application of the picture processing by using computers
3. **QUALIFICATION OF APPLICANT** Applicants should (1) be the nucleus researchers in the law science research institutes (2) have more than 5 years of occupational experience (3) be university graduates or have the equivalent academic background (4) be currently engaged in the identification and analysis of currency
4. **TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Document Examination Section, Department of First Forensic Science, National Research Institute of Police Science, National Police Agency
5. **REMARKS**

TRAFFIC POLICE ADMINISTRATION (SEMINAR)

Oct. 31, 2000 - Dec. 3, 2000, 11 participants

交通警察行政研修

J-00-00079

1. **PURPOSE** The purpose of the seminar is to broadly introduce traffic police administration in Japan to participants through lectures and technical visits, and also to provide opportunities to exchange information on traffic police in participating countries and to study measures to solve traffic problems of their mutual concern, thus to contribute to the betterment of traffic police administration in the developing countries.
2. **MAIN FEATURES OF CURRICULUM** This seminar covers the following topics: (1) Japanese Police System (2) Chronological Summary of Road Traffic Measures (3) Subjects related to Traffic Planning Division (4) Subjects related to Traffic Enforcement Division (5) Subjects related to Traffic Management and Control Division (6) Subjects related to Urban Traffic Control Division (7) Subjects related to Driver's Licence Division (8) Technical Visits (9) Participants Country Report Presentation
3. **QUALIFICATION OF APPLICANT** (1) a director or a chief police superintendent who supervises or is dealing with traffic police affairs in the central police organization (2) university graduates or their equivalent
4. **TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Traffic Planning Division, Traffic Bureau, National Police Agency (NPA)
5. **REMARKS**

SEMINAR ON CRIMINAL IDENTIFICATION

Jan. 15, 2001 - Feb. 11, 2001, 7 participants

国際鑑識セミナー

J-00-00596

1. **PURPOSE** This seminar aims at meeting the requests from abroad to transfer the identification techniques by systematically introducing Japanese identification activities in criminal investigation including advanced science techniques and collection of evidence at a crime scene, through lectures and practical training with the emphasis on case studies.
2. **MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on workshop practice at laboratory experiments and introduction of Japanese experience through: (1) lectures and observations for outlining the system of scientific criminal identification in Japan, (2) practical training in identification activities applicable to criminal investigation
3. **QUALIFICATION OF APPLICANT** Senior police officer: (1) in charge of criminal identification or investigation in central police organization (2) in a position to give instruction in identification techniques acquired through this seminar (3) university or college graduate, or the equivalent (4) over 30 and under 45 years of age
4. **TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Identification Division, Criminal Investigation Bureau, National Police Agency (3) International Research and Training Institute for Criminal Investigation, National Police Agency (4) Criminal Identification Section, Criminal Investigation Division, Osaka Prefectural Police Headquarters
5. **REMARKS**

SEMINAR FOR SENIOR POLICE MANAGERS

May 30, 2000 - Jun. 18, 2000, 6 participants

国際警察トップリーダーズセミナー

J-00-03283

1. **PURPOSE** The purpose of this seminar is to recognize which course police organizations in participants' countries should direct in future through the brilliant discussions by decision makers from the police organizations.
2. **MAIN FEATURES OF CURRICULUM** This seminar covers the following topics: (1) Participants' presentation on a current problem that the police organization is facing or a singular incident or crime. (2) Lectures related to the participants' topics in their presentation paper. (3) Observation tour
3. **QUALIFICATION OF APPLICANT** (1) be a director of department in the central police organization, or in a higher position to this, (2) be a police colonel, senior superintendent or chief superintendent, or in a higher position (3) be over 40 and under (approx.) 50 years of age and have police career for more than 15 years, (4) have a sufficient command of spoken and written English to participate in effective discussions
4. **TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) International Research & Training Institute for Criminal Investigation, National Police Academy (IRTICI)
5. **REMARKS**

SEMINAR ON CRIMINAL INVESTIGATION II

Apr. 5, 2000 - Apr. 30, 2000, 9 participants

国際捜査セミナー II

J-00-03453

- PURPOSE** The background of the seminar. This seminar was established in 1974 for the purpose of contributing to the prevention and suppression of the international crime, which have been getting more internationalized and subtle in recent years, as well as deepening mutual understanding of the international investigation-related laws and effective investigation methods among participating countries. Particularly, this year, the seminar will focus on "Crimes against female and minors" such as sex-related crimes, domestic violence, child abuse and so on, through lectures, discussion, introducing the various police activities in Japan. The purpose of the seminar. The seminar aims to provide knowledge and techniques of the Japanese police, organization, investigation methods and equipments in Japan to the executive police officers from the participating countries, and to hold ultimate cooperative investigation network among the countries by means of presentation and discussion on the current situation and problems of each country in the field of criminal investigation.
- MAIN FEATURES OF CURRICULUM** The following subjects will be covered in this seminar. 1. Lecture (1) Outline of the Japanese police a) Organization, personnel and training b) Community police, etc. (2) Crimes against female and minors a) Measures for victims taken by the Japanese police b) Countermeasures for crimes against juvenile welfare c) Current situation of sex-related crimes in Japan d) Current situation of domestic violence (DV) in Japan e) Child abuse (3) Others Subjects and prospects for the Japanese police in the 21st century 2. Participants' Presentation and Discussion (1) Outline of police organization (2) Crimes against female and minors a) Present situation b) Systems and procedures (criminal procedure, related organizations and countermeasures) c) Case study of crimes against female and minors -Outline of the case. Measures taken by the police. How to take care of victims 3. Observation of the Related Facilities (1) Tokyo Metropolitan Women's Center (2) Victim Support Center of Tokyo Metropolitan Police 4. Science and Technology of the Japanese Police (1) Police Communications School, Police Communications Research Center (2) National Research Institute of Police Science (3) Fingerprint Identification Center (4) Communications Command Office, Traffic Control Center 5. Study Trip to the Prefectural Police (1) Observation of headquarters of the prefectural police (2) Observation of the Police Station/Koban/Chuzai-sho 6. Others (1) Opening/Closing Ceremony (2) Evaluation Meeting (The curriculum is subject to minor changes)
- QUALIFICATION OF APPLICANT** (1) be directors, or in the equivalent position of the division in charge of crimes against female and minors in the central police organization, and who are promising to be the highest-ranking official in each police organization, (the organization chart specifying the position of the candidates and the explanation of rank system of the police is necessary for JICA's screening reference), (2) be between 35 and 50 years of age, (3) have a sufficient command of English in speaking, reading and writing, (4) not have participated in the same kind of seminar course hosted by either National Police Agency of Japan or JICA in the past, (5) not be serving in the military and not to currently belong to the organization under Army, Navy and Air Force.
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) International Research & Training Institute for Criminal Investigation, National Police Academy (IRTCI)
- REMARKS**

ADVANCED COURSE FOR SENIOR POLICE ADMINISTRATORS

no executed in FY 2000

上級警察幹部研修

- PURPOSE** The purpose of the course is to introduce the Japanese police organization, its management system and countermeasures for crimes to the police officers in the rank of police inspector or superintendent, who are expected to be the top leaders in their police organization in the future, as well as to improve each country's police organization system through discussions on the current problems of the police organization in respective countries. Through the training course, participants are expected to: (1) understand characteristics of Japanese police organization, its management system and countermeasures for crimes (2) seek solution of present problems of police organization in each country by means of report presentation and discussion, for the purpose of gaining wide knowledge required to leading executives of police organization, and (3) deepen mutual understanding and cultivate a sense of international solidarity and cooperative spirits among participants.
- MAIN FEATURES OF CURRICULUM** (1) Main themes: 1) Management skills of police organization required to senior police officers 2) Effective operation of police organization for comprehensive police activities 3) Efficient and effective investigation activities 4) Technical assistance to police activities in various fields (2) Curriculum 1) Lecture (a) Outline of Japanese police: a) Outline of organization, b) Community Policing (b) Management of organization: a) Duties of the chief of police station, and management of the director of police affairs dept., command and supervising skills of the chief of prefectural police, b) Management system of private enterprises in Japan c) Future subjects and prospects of Japanese police 2) Participants' Presentation and Discussion: (a) Present Issues tackled by the each country's police organization and a future prospect of security conditions in a participating county (b) Reform plans for police organization 3) Observation: Fingerprint Center, National Research Institute of Police Science, Police Communication Research Center 4) Study trip to the Prefectural Police Headquarters: lecture by Chief of PPHQ, observation of police station and police box (KOBAN) and investigation/identification equipment
- QUALIFICATION OF APPLICANT** Police officers who are expected to be the top leader in the central police organization in the future, (in the rank of police inspector or superintendent, between 30 and 40 years of age)
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) International Research & Training Institute for Criminal Investigation, National Police Academy (IRTCI)
- REMARKS** This course is not designed for the senior police officer whose rank is higher than superintendent of police.

SEMINAR ON INTERNATIONAL LAW ENFORCEMENT COOPERATION

Feb. 6, 2001 - Feb. 25, 2001, 14 participants

国際捜査協力セミナー

J-00-03340

- PURPOSE** The purpose of this course is to level up the practical ability of police detectives of participating nations in order to activate and smooth the international law enforcement cooperation.
- MAIN FEATURES OF CURRICULUM** It mainly covers: (1) present condition of international organizational crime such as small arms and drug (2) the method of a way of quick and proper cooperation (3) the framework of the international law enforcement cooperation.
- QUALIFICATION OF APPLICANT** (1) presently engaged in international law enforcement with more than ten years occupational experience (2) high school graduate or equivalent (3) more than 35 years of age and less than 50 years of age.
- TRAINING INSTITUTIONS** National Police Agency
- REMARKS**

SEMINAR FOR SENIOR POLICE AND LAW ENFORCEMENT OFFICERS (LATIN AMERICAN COUNTRIES)

Oct. 9, 2000 - Oct. 29, 2000, 9 participants

上級警察幹部セミナー (中南米諸国)

J-00-03356

- PURPOSE** The seminar is to contribute to the further improvement of each participating country's police and law enforcement services. The purpose of this seminar is to provide participants with opportunities to study overall aspects on Japanese police services, such as police organization and management, police activities and various investigations, as well as to discuss the issues on police affairs in respective countries.
- MAIN FEATURES OF CURRICULUM** The lectures and presentations are held in Spanish. 1. Lectures (1) An outline of the Japanese Police (2) Countermeasures against crime (3) Police management by executive officers 2. Study trip to the prefectural police (1) Observation of Headquarters of the prefectural police (2) Observation of the Police Station/Koban/Chuzai-sho 3. Observation of the police-related facilities (1) National Research Institute of Police Science (2) Fingerprint Identification Center (3) Police Communications Research Center (4) Police Communication School 4. Observation of Equipment for Investigation and Identification 5. Presentation and Discussion 6. Discussion about public safety in Latin America
- QUALIFICATION OF APPLICANT** (1) position: be directors of division or in the equivalent position, in the central police or law enforcement organization rank: superintendent or above (2) have wide knowledge and practical experiences in overall police activities, (3) over 35 and under 50 years of age, (4) not serving in the military and not currently belong to the organizations under Army, Navy, or Air Force
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) International Research and Training Institute for Criminal Investigation (IRTCI), National Police Academy, National Police Agency
- REMARKS**

SEMINAR ON CONTROL OF DRUG OFFENCES II

Oct. 2, 2000 - Oct. 20, 2000, 17 participants

薬物犯罪取締セミナー II

J-00-00015

- PURPOSE** The purpose of the seminar is to study effective and practical measures to eradicate drug offences as well as to further intensify international cooperation and deepen mutual understanding among the nations concerned, through discussion and information exchange and sharing the experiences to contribute to the eradication of drug offences. Through the seminar, participants are expected: (1) to bring their ideas together for solving the problems thus identifying the most effective countermeasures against drug offences, and (2) to promote mutual understanding and friendship and foster international solidarity as well as cooperative spirit among the participants for future effective international cooperation for drug offences control.
- MAIN FEATURES OF CURRICULUM** This seminar covers the following topics. (1) lecture (a) police activities in Japan (b) current trends and situation in drug offences and their countermeasures in Japan (c) Japanese organized crime organization (Yakuza) (2) presentation and discussion (a) major drug problems facing each society (b) current situation of drug syndicates (c) investigative methods/techniques (d) way to improve international investigative cooperation (3) Observation tours (a) Forensic Laboratories (b) Prison (c) Local Police
- QUALIFICATION OF APPLICANT** (1) official in the rank of director of division or its equivalent in charge of drug law enforcement at the central government (2) have experience of more than three years in drug law enforcement (3) have knowledge of identification techniques (4) between 30 and 40 years of age
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) National Police Agency (NPA)
- REMARKS**

FIRE PREVENTION TECHNIQUES

Sep. 18, 2000 - Dec. 4, 2000, 6 participants

火災予防技術

J-00-00696

- PURPOSE** To upgrade the knowledge about the Japanese administration for fire fighting and disaster prevention and the activities to prevent fires and natural disasters.
- MAIN FEATURES OF CURRICULUM** The emphasis is put on lectures, practical training and observations. The main themes are; (1) Japanese legislation and administration of fire services and preventing disasters in Japan (2) system to prevent fires in advance; measures for fire prevention at buildings, legal system governing fire inspection granted to fire service organizations, measures for fire prevention on dangerous objects, measures for investigation of fire causes (3) system to prevent natural disasters
- QUALIFICATION OF APPLICANT** (1) university graduate or equivalent with occupational experience (2) administrative officer or candidate for it, who is presently engaged in planning/drafting of Fire Service System, or in administrative section for Fire Service Implementation (3) not more than 40 years of age
- TRAINING INSTITUTIONS** (1) Chubu International Centre (CBIC), JICA (2) Nagoya City Fire Bureau
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for two weeks (25 hours).

SEMINAR ON INTERNATIONAL TERRORISM INVESTIGATION

Sep. 11, 2000 - Sep. 24, 2000, 10 participants

国際テロ事件捜査セミナー

J-00-03379

- PURPOSE** The seminar is designed for those who are leaders, in charge of international terrorism prevention and investigation in order to discuss international terroristic situation and anti-terrorism measures. Through the seminar, participants are expected to: (1) acquire overall understanding about organization of Japanese police system and about countermeasures of international terrorism investigation by means of case study, (2) acquire knowledge and skills for international terrorism investigation in general through lectures and discussion on international terroristic situations and countermeasures of terrorism in their countries, and (3) deepen mutual understanding and establish cooperative relationship among participants in order to promote international cooperation for investigating terrorists and preventing international terrorism.
- MAIN FEATURES OF CURRICULUM** The following major subjects will be covered in the seminar: (1) participants' presentation and discussion of international terroristic situation and anti-terrorism measures (2) organization and current state of Japan's police system (3) Terroristic situation and anti-terrorism measures in Japan (4) Observation visit to related facilities
- QUALIFICATION OF APPLICANT** (1) director of division or in a position equivalent to this, in charge of international terrorism prevention and investigation in the national police or the security organization of the Ministry of Home Affairs (2) approximately a police superintendent or in a higher rank
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Security Bureau, National Police Agency, Japan
- REMARKS**

RESCUE TECHNIQUES

Jul. 18, 2000 - Oct. 15, 2000, 10 participants

救急救助技術

J-00-00342

- PURPOSE** The purpose of the course is to provide participants with opportunities to acquire high-level knowledge and skills in rescue operations in Japan so that they can subsequently enhance the rescue techniques of training personnel engaged in rescue service in their respective countries.
- MAIN FEATURES OF CURRICULUM** This course will be conducted mainly in the form of rescue practice on the following subjects: (1) physical strength development method (2) rope knotting (3) ascending, descending and traversing by rope (4) usage of rescue tools (5) entry technique (6) rescue technique (7) searching technique (8) first aid
- QUALIFICATION OF APPLICANT** (1) have a sufficient experience in rescue service and expected to play key roles in this field (2) expected to become a leader in the field of rescue service (3) under 30 years of age in principle
- TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC) JICA (2) Osaka Municipal Fire Department
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for two weeks.

FIRE FIGHTING TECHNIQUES

Jul. 10, 2000 - Oct. 27, 2000, 10 participants

消火技術

J-00-00362

- PURPOSE** The main purposes of this training course are as follows: (1) to enable participants to understand the outline of the organization, systems and roles of fire service administration, as well as the present situation of various disasters in Japan. (2) to help participants acquire knowledge and techniques to rescue people and extinguish fires such as high-rise building fires, hazardous and petroleum material fires, mountain fires, forest fires, ship fires and aircraft fires, at the early stage by commanding fire-fighting units on the ground, utilizing various fire engines, fire-fighting techniques and equipment.
- MAIN FEATURES OF CURRICULUM** The course will be conducted in the form of lectures, practical training, visits, study trips, and presentation of Country Reports. Lectures will be given mainly by using textbooks and audio visual equipment such as video tapes and films. Practical training will be conducted by utilizing all kinds of fire engines, fire fighting equipment and tools. The training course is programmed to provide following knowledge and techniques: (1) rescuing people from different types of fires promptly and controlling fires by commanding fire fighting units effectively (2) roles and functions of fire engines and equipment in Japan (3) outline of the history and systems of fire service administration in Japan (4) present situation of disasters and measures to cope with disasters caused by urbanization (5) roles of fire service organizations and activities of fire fighting personnel in Japan (6) fire service administration of the participating countries by comparing and discussing the present situation of fire service administrative activities of respective countries
- QUALIFICATION OF APPLICANT** (1) presently engaged in fire service, have at least five years' experience (2) university graduate or the equivalent (3) 40 years of age or less
- TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) Fire Defence Agency, Ministry of Home Affairs (3) Kitakyushu Fire Department, Fire Training Centre
- REMARKS** A compulsory 45-hour Japanese language course will be conducted prior to the technical training.

POLICY OF LOCAL GOVERNMENT

Jun. 4, 2000 - Aug. 12, 2000, 10 participants

地方自治行政政策研修

J-00-03440

- PURPOSE** The purpose of the course is to contribute to development and improvement of local government administration methodology in participating countries through introducing roles, systems and functions of Japanese local governments and to provide opportunities to exchange ideas and information among the participants.
- MAIN FEATURES OF CURRICULUM** In this course, the following major subjects will be covered through lectures, discussions, comparative studies, field studies in local governments and observation trips. (1) local government system in Japan (2) election system in Japan (3) local public administration (4) local public finance (5) regional development
- QUALIFICATION OF APPLICANT** (1) university/college graduates or equivalents with occupational experience of more than seven years in the civil service relating to local public administration (2) over 30 but under 40 years of age (3) civil service personnel holding responsible government position (managerial or supervisory) and be promising candidates for the post of top management in the local government or that of senior management in the central government in the future
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Local Autonomy College (LAC), Ministry of Home Affairs
- REMARKS** (1) Country Reports will be highly utilized both for the screening of participants and for the comparative studies.

FIRE SERVICE ADMINISTRATION

Sep. 6, 2000 - Nov. 18, 2000, 8 participants

消防行政管理者

J-00-00579

- PURPOSE** This course is to provide the administrative officers, who are engaged in fire fighting and disaster management, the following method as a whole. Management and coordination for the Japanese organization, system, education and so on. The course will be conducted through the lecture, observation and have the time to investigate the issues from the respective countries for the purpose of resolving, as well as of contributing to the development of the above management for the countries concerned.
- MAIN FEATURES OF CURRICULUM** (1) By the end of the course, participants are expected to gain a better understanding of the following subjects; (a) Measures for strengthening Administrative Functions, Effective Administrative System in Fire Service and Fire Fighting (b) The System and management of Disaster Prevention currently in Japan (c) Countermeasures for the Fire Prevention (d) Collecting and Transmission System for Disaster Information (2) Above course will be carried out through lectures, observations, discussions, study tours and so forth.
- QUALIFICATION OF APPLICANT** Applicants should: (1) be administrative officers who are currently engaged in fire fighting or disaster prevention in the Government or municipalities (2) be university graduates or equivalent with occupational experience (3) be and over 25 years and not more than 40 years of age
- TRAINING INSTITUTIONS** This course will be held at Fire and Disaster Management Agency (FDMA), Ministry of Home Affairs.
- REMARKS** The course does not include Japanese Intensive Course.
- OTHER** Above course will be jointly carried out with past two courses below; Fire Service for Administrative Officer, Disaster Prevention Management

GOVERNMENT ADMINISTRATION IN DEVELOPMENT

May 16, 2000 - Jun. 25, 2000, 9 participants

行政と開発

J-00-00644

- PURPOSE** The main purposes of this course are: (1) to assist participants in seeking better ways to improve public administration in order to assure efficient formation of policy by introducing Japanese experiences and recent Asian movement, and (2) to bestow participants a broad range of basic knowledge regarding modern public administration practices and fundamental policies to contribute toward economic and social development of participating countries in reference to Japanese experiences.
- MAIN FEATURES OF CURRICULUM** This course focuses on the following topics: (1) public administration in Japan-lectures and case studies (a) public administration and civil service system (b) local autonomy system (2) Japanese development and fundamental policies-lectures and case studies (a) role of public administration in modernization process (b) education system and human resource development (c) financial management (d) industrial policy and economic growth (e) agricultural development (d) infrastructure building (3) development strategies in participants' countries-lectures (a) role of public administration for development (b) Asian development model revisited-discussion (a) major administrative, economic or social problems faced by the participants' government and countermeasures (4) fundamental policy areas for development ~ framework analysis-lectures and case studies (a) human resource management (b) efficient management (c) economic development and environment conservation. And each participant is offered an occasion to visit government offices relating to this training course.
- QUALIFICATION OF APPLICANT** (1) to be a government officer at a level of division assistant directors in principle, promising to be a senior member of the staff in the national government offices, and be involved in policy formation (2) to have a university degree or the equivalent, with occupational experience of five years or more in public administration (at least two years experience in the national government) (3) not less than 30, and not more than 40 years of age
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) International Affairs Division, National Personnel Authority
- REMARKS**

**SEMINAR ON NATIONAL GOVERNMENT
ADMINISTRATION (SENIOR CLASS OFFICIALS)**

Nov. 2, 2000 - Dec. 10, 2000, 9 participants

上級国家行政セミナー

J-00-00320

- 1. PURPOSE** The purposes of this seminar are: (1) to introduce participants to recent trends in public administration and policy formation (2) to assist them in considering methods of flexible and appropriate policy formation as well as its implementation in varying stages of socio-economic development.
- 2. MAIN FEATURES OF CURRICULUM** As the targeted period of development, this seminar focuses on the take-off stage of modernization referring to the Japanese experience in the period of her rapid economic growth after World War II. It covers the following topics: (1) socio-economic development and government administration in Japan (a) public policies for economic development (b) system of government (c) civil service system (2) bureaucracy and socio-economic development (a) economic development in developing countries (b) role of government in socio-economic development (c) human resources development
- 3. QUALIFICATION OF APPLICANT** (1) senior class official (division director or above involved in policy formation) (2) university graduate or equivalent, with occupational experience of more than ten years (at least two years of which in the government) (3) between 40 and 50 years of age
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) National Personnel Authority
- 5. REMARKS**

**SEMINAR ON GOVERNMENT HUMAN RESOURCE
MANAGEMENT (SENIOR CLASS OFFICIALS)**

Sep. 5, 2000 - Oct. 1, 2000, 9 participants

上級人事管理セミナー

J-00-00569

- 1. PURPOSE** This seminar introduces participants to the current Japanese human resource management policy of the government, which supports national prosperity. Although the actual framework of human resource management varies from country to country, understanding the dynamism of human resource management in Japan may be of great help in identifying crucial problems of human resource management in other countries. The purpose of this seminar is thus to assist participants in forming policies of human resource management which are suitable for their own country's circumstances.
- 2. MAIN FEATURES OF CURRICULUM** The following topics will be covered in the seminar: (1) overview of human resource management (HRM) (a) introduction to civil service system (b) role of bureaucrats (2) major issues of HRM (a) career development (b) remuneration system (c) work ethics (3) practical aspects of Japanese HRM (a) on-the-job training and information sharing (b) HRM in private companies
- 3. QUALIFICATION OF APPLICANT** (1) senior class official (division director or above) in charge of personnel policy formation in central personnel agencies (2) university graduate or equivalent, with occupational experience of more than ten years (at least two years of which in the government)
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) National Personnel Authority
- 5. REMARKS**

**GOVERNMENT HUMAN RESOURCE
MANAGEMENT**

Jan. 9, 2001 - Feb. 3, 2001, 10 participants

人事行政研修

J-00-03424

- 1. PURPOSE** The purpose of the course is to provide executive administrative officials who are engaged in the human resources development in the central government with the basic knowledge and practical skills for human resources cultivation and management to contribute to the effective and efficient administration.
- 2. MAIN FEATURES OF CURRICULUM** The following subjects are covered in the course through the lectures, discussions and observations (1) Group personnel management/OJT (2) Theory and practice of personnel management in Japan (3) Ethics of public service personnel (4) Human resources development (5) Comparative study on the business management system
- 3. QUALIFICATION OF APPLICANT** Applicants should; (1) be executive officials of the human resources administrative office in the central government, (2) be under forty (40) years of age, (3) be university graduates or have the equivalent academic background, (4) have a sufficient command of spoken and written English, and (5) be in good health both physically and mentally to undergo the course.
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) National Personnel Authority
- 5. REMARKS**

MANAGEMENT OF PUBLIC ADMINISTRATION

Feb. 6, 2001 - Mar. 10, 2001, 7 participants

行政管理

J-00-00580

- 1. PURPOSE** The purposes of this course are to introduce Japanese experiences of public management, comprehensive coordination for policies to the participants, and to assist them in considering ways for better public management through lectures, report-presentations, discussions and field trips.
- 2. MAIN FEATURES OF CURRICULUM** This course is programmed for participants to increase knowledge on public management. Subjects of lectures are as follows: (1) politics, public administration, justice (outline) (2) detail on public administration (budget, audit, personnel system, local government system) (3) management of public administration (public administration reform, management of organization structure and the number of staff, administrative inspection system)
- 3. QUALIFICATION OF APPLICANT** (1) a national government official having an occupational experience in the field of public management, (2) university graduate or equivalent, (3) over 25 but under 45 years of age
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Management and Coordination Agency (MCA)
- 5. REMARKS**

COPYRIGHT SYSTEMS DEVELOPMENT

Jun. 20, 2000 - Jul. 16, 2000, 7 participants

著作権制度整備

J-00-03380

- PURPOSE** Purpose of the course is to contribute to the development of copyright systems including collective administration and educational activities of copyright in the participating countries through providing practical trainings on various copyright related subjects, such as the purpose and signification of copyright system, international trends in copyright including relevant treaties, outline of copyright system in Japan, copyright management/administration system, etc., to the officials in charge of copyright policy planning in their administrative organizations, and those who belong to copyright management/administration organizations, as well as professors in universities.
- MAIN FEATURES OF CURRICULUM** By the end of the course period the participants are expected to; (1) understand the purpose and signification of copyright system (2) understand the development of the copyright system (3) understand the significance of the establishment of copyright management/administration organizations (4) deepen the knowledge of the development of copyright system to cope with the development of digitization and network, and (5) understand the contents of current international copyright treaties and recent international movements.
- QUALIFICATION OF APPLICANT** The applicants should; (1) be administrative officials who belong to organization related to copyright management/administration or lecturers at university (2) have the experience of at least 10 years in their profession (3) be more than 35 years old, and (4) be university graduates or have higher education.
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Agency for Cultural Affairs
- REMARKS**

IMMIGRATION CONTROL ADMINISTRATION (ASIAN COUNTRIES)

Oct. 1, 2000 - Nov. 8, 2000, 8 participants

出入国管理行政(アジア諸国)

J-00-03477

- PURPOSE** The purpose of this course is to provide participants with practical knowledge and training on immigration control administration introducing the Japanese system, in order to contribute to the development of immigration control and mechanism of regional network in participating countries of Asia.
- MAIN FEATURES OF CURRICULUM** In this course, the following major subjects will be covered through lectures, discussions and observation trips; (1) law and regulation system, control administration mechanism (2) inspection service (3) computer service (4) document identification service (5) theme study
- QUALIFICATION OF APPLICANT** (1) immigration officer (2) over 10 years' experience (3) under 40 years of age (4) university graduate or equivalent
- TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Ministry of Justice, Osaka Regional Immigration Bureau
- REMARKS**

CORRUPTION CONTROL IN CRIMINAL JUSTICE

Oct. 30, 2000 - Dec. 3, 2000, 12 participants

汚職防止刑事司法支援

J-00-03375

- PURPOSE** In the developing countries of the Asia-Pacific region, which are seeking to introduce a market economy and participate in the global economy, the frequency among public officials of cases of bribery and abuse of authority is a serious obstacle to the development of the market economy. The present course for officials in charge of criminal law administration in these countries, where corruption is a current problem, offers lectures on anti-corruption legislation and its enforcement, and discussion meetings with police inspectors and public prosecutors attached to special investigation departments dedicated to uncovering corruption. By thus transferring Japanese knowledge and expertise of regulation and enforcement in this field, it is hoped to contribute to the establishment of a complete legal framework and effective enforcement in developing countries.
- MAIN FEATURES OF CURRICULUM** The course will consist of lectures, discussions, and observation. (1) Japan's criminal justice system and its enforcement (lecture) (2) Japan's system for prevention of corruption and its enforcement (including system for maintenance of ethical standards among public officials; lecture and discussion) (3) Measures to prevent bureaucratic crime; investigation and trial thereof (lecture and discussion) (4) Role of international cooperation in crime prevention (lecture and discussion) (5) Observation and lecture on institutions of criminal justice (observation and lecture)
- QUALIFICATION OF APPLICANT** Applicants should: (1) be government officials engaged in the formulation of legislation relating to the prevention of corruption, police officers engaged in the investigation and trial of corruption cases or other investigators, prosecutors, judges or government officials engaged in the maintenance of ethical standards among public officials (2) have at least eight years' experience in the relevant field (3) have a level of education equivalent to university graduation (4) be no more than 50 years old (5) have a sound knowledge of English (6) be core staff of middle rank
- TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Research and Training Institute of the Ministry of Justice
- REMARKS** Course offered for the first time in fiscal year 1998

CRIME PREVENTION (TREATMENT OF OFFENDERS)

May 8, 2000 - Jul. 9, 2000, 14 participants

犯罪防止(矯正保護)

J-00-00649

- PURPOSE** The purpose of the course is to provide the participants with an opportunity to study and discuss various contemporary problems concerning "Current Issues in Correctional Treatment and Effective Countermeasures".
- MAIN FEATURES OF CURRICULUM** This course is mainly conducted in the form of discussions based upon the knowledge and experience of the participants with the advice of the faculty and visiting experts. The characteristic feature of the course is group discussion, through which the knowledge and experience of the participants will be utilized to the fullest extent. (1) Participants will discuss from various angles the following topics as they apply to their respective countries in order to explore measures to further promote correctional administration in participating countries (a) actual situation and problems of overcrowding and their countermeasures (b) actual situation and problems of prison conditions and their countermeasures (c) current trends of prisoners and their problems; countermeasures for their treatment. (2) lectures by specialists on subjects relating to the main theme of "Current Issues in Correctional Treatment and Effective Countermeasures" (3) Visits to several relevant institutions and agencies.
- QUALIFICATION OF APPLICANT** (1) Holding a relatively senior position in a central bureau, department or agency in the field of criminal justice, such as the police, prosecution, courts, corrections, rehabilitation, etc., and who have at least five years of practical experience in one's field (2) university graduate or equivalent (3) between 30 and 50 years of age
- TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) Asia and Far East Institute for the Prevention of Crime and the Treatment of Offenders (UNAFEI)
- REMARKS**

**CRIME PREVENTION
(THE ADMINISTRATION OF CRIMINAL JUSTICE)**

Aug. 21, 2000 - Nov. 17, 2000, 14 participants

犯罪防止 (刑事司法)

J-00-00658

- 1. PURPOSE** The purpose of the course is to provide the participants with an opportunity to study and to discuss contemporary problems concerning "Investigation Methods to Combat Transnational Organized Crime".
- 2. MAIN FEATURES OF CURRICULUM** The course emphasizes the discussions on investigation methods to combat transnational organized crime, such as immunity, electric surveillance and controlled delivery. In the course, the participants will be divided into small groups chosen by themselves and given ample opportunity to exchange views and experiences on selected problems. The result of the discussions will be summarized and published. Additionally, the course will include lectures by visiting experts and ad hoc lecturers as well as visits to relevant criminal justice agencies in Japan.
- 3. QUALIFICATION OF APPLICANT** (1) Holding a relatively senior position in a central bureau, department or field agency concerned with investigation, prosecution, trial or prevention of crime or treatment of offenders, and has at least 5 years of practical experience in one's field (2) university graduate or equivalent (3) between 30 and 50 years of age
- 4. TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) Asia and Far East Institute for the Prevention of Crime and the Treatment of Offenders (UNAFEI)
- 5. REMARKS**

CRIME PREVENTION (SENIOR SEMINAR)

Jan. 8, 2001 - Feb. 18, 2001, 17 participants

犯罪防止 (上級) セミナー

J-00-00701

- 1. PURPOSE** The purpose of the seminar is to provide the participants with an opportunity to study and to discuss contemporary problems concerning "International Cooperation to Combat Transnational Organized Crime". The seminar emphasizes the discussions on extradition and transfer of prisoners.
- 2. MAIN FEATURES OF CURRICULUM** To achieve the above purpose, the seminar will be conducted in the form of discussions based on the knowledge and experiences of the participants as well as the UNAFEI faculty and visiting experts. Specifically, individual presentations by the participants will enable the comparison of the distinct systems and practices of the represented countries in regards to the main theme of the Seminar. General discussions in the form of plenary meetings will develop further the seminar theme. The results of these discussions will be compiled into several reports by the participants, which will subsequently be published by UNAFEI in the Resource Material Series. Additionally, the seminar will include lectures by visiting experts and ad hoc lecturers as well as visits to relevant criminal justice agencies in Japan.
- 3. QUALIFICATION OF APPLICANT** (1) High-ranking criminal justice administrator at the policymaking level whose duties are closely related to the main theme of the seminar, and the rank of divisional director level or above in the central bureau of the agencies concerned with criminal justice, e.g., Ministry of Justice, Ministry of Interior, Supreme Court, etc. (2) between 35 and 55 years of age with the expectation to continue to work in this field for a minimum period of two years.
- 4. TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) Asia and Far East Institute for the Prevention of Crime and the Treatment of Offenders (UNAFEI)
- 5. REMARKS**

**SEMINAR ON ECONOMIC DEVELOPMENT
POLICIES**

Jun. 13, 2000 - Aug. 4, 2000, 16 participants

経済政策セミナー

J-00-00668

- 1. PURPOSE** To expose the participants to the economic development policies to be interactively presented in the forms of lectures, field trips, etc. with the particular emphasis on the empirical aspects distilled from the Japan's experiences, by which the participants will in turn produce and present the papers on the economic development policies related to some specific subjects
- 2. MAIN FEATURES OF CURRICULUM** The following major subjects will be covered in the seminar: (1) country report presentation and discussion together with area study, (2) lecture-cum-discussion (a) Japan's economic development and policies, (b) structural adjustment policies or industrialization (c) economic analysis method (d) Japan's economic cooperation (3) group activities (4) field trip and study visits (5) workshops (6) final report presentation and discussions
- 3. QUALIFICATION OF APPLICANT** (1) central government planners engaged in economic development planning and have at least 7 years' occupational experience in this field (2) have an academic background in economics or those having proper experience and knowledge on economic policy and planning (3) between 30 and 40 years of age
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Economic Planning Agency (EPA) (3) Office Nariai
- 5. REMARKS**

**ANTI-MONOPOLY ACT AND COMPETITION
POLICY**

Aug. 28, 2000 - Sep. 28, 2000, 11 participants

独占禁止法と競争政策

J-00-00624

- 1. PURPOSE** This course is intended for leading members of the authorities of anti-monopoly act in participating countries. The participants will learn about Japan's Anti-Monopoly Act, its implementation and application and related legislation, with the aim of establishing or revising the competition act and its effective management in their countries.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, discussion and observation. It mainly covers: (1) the legislation of Japan's Anti-Monopoly Act and its implementation (2) case studies of the application of the Anti-Monopoly Act (3) comparative studies of the Anti-Monopoly Act in participating countries
- 3. QUALIFICATION OF APPLICANT** (1) university/college graduate or equivalent (2) administrators of the authorities of Anti-Monopoly Act or the authorities drafting competition act, and (3) have more than 2 years' occupational experience in the field.
- 4. TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Fair Trade Commission.
- 5. REMARKS**

FINANCIAL INDUSTRY INFORMATION SYSTEMS

Oct. 24, 2000 - Nov. 18, 2000, 7 participants

金融情報システム

J-00-00612

1. **PURPOSE** In accordance with the rapid economic growth and development shown in developing countries, it is in urgent need to establish or enhance firm infrastructure for financial information systems for further development of the country. This course aims at providing the participants with the knowledge and techniques to ensure stable and efficient financial information systems.
2. **MAIN FEATURES OF CURRICULUM** To enhance one's capabilities to formulate monetary information systems from the theoretical and practical point of view, the following subjects are referred; (1) financial structure of Japan (2) Japan's trend of financial information systems (3) security measures (4) outline of system audit (5) current issues on financial information systems.
3. **QUALIFICATION OF APPLICANT** (1) be senior manager in designing information systems in major financial institutions and have more than 10 years' business career/for senior officials of the governments or central banks who are in charge of supervision of the financial institutions (2) over 35 and under 45 years of age (3) be university graduates or who have equivalent knowledge and experience.
4. **TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) The Center for Financial Industry Information Systems of (Japan).
5. **REMARKS**

**SEMINAR ON TAXATION
(GENERAL TAX COURSE)**

Aug. 21, 2000 - Nov. 18, 2000, 19 participants

国際税務行政セミナー(一般租税)

J-00-00626

1. **PURPOSE** The purposes of this seminar are to contribute to the improvement of the tax systems and tax administrations of developing countries through transferring technical knowledge and skills of the Japanese tax system and tax administration, to have participants well-versed in Japanese tax administration, and to promote mutual understanding among participating countries.
2. **MAIN FEATURES OF CURRICULUM** This seminar places major emphasis on the administration of internal taxes, and mainly covers: (1) public finance of Japan (2) outline of the Japanese tax system (3) outline of main taxes in Japan (4) operation of taxation department (5) efficient examination (6) tax dispute
3. **QUALIFICATION OF APPLICANT** (1) official of the department in charge of tax administration except customs (2) under 40 years of age (3) have more than five years of occupational experience in tax administration or in planning of tax system (4) university graduate or equivalent
4. **TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) National Tax Collage, National Tax Administration
5. **REMARKS**

**SEMINAR ON TAXATION
(SENIOR TAX COURSE) II**

Nov. 1, 2000 - Dec. 2, 2000, 10 participants

国際税務行政セミナー(上級租税コース) II

J-00-00115

1. **PURPOSE** This seminar is conducted with the following purposes: (1) to contribute to the improvement of the tax system and tax administrations of developing countries through transferring technical knowledge and skills of the Japanese tax system and tax administration. (2) to have participants well-versed in Japanese tax administration, and to promote friendly relations among participating countries, including Japan.
2. **MAIN FEATURES OF CURRICULUM** This seminar places major emphasis on the administration of internal taxes. It covers the following topics: (1) outline of public finance, tax system and tax administration in Japan (a) public finance of Japan (b) outline of Japanese tax system (c) tax administration in Japan (general introduction) (d) tax administration in Japan (detail) (i) Enhancing Tax Compliance (ii) Consumption Tax Enforcement (iii) Practice of Examination (e) international taxation (2) presentation of Country Reports and round discussion topics of round table discussion: (a) system of assessment (b) system of collection
3. **QUALIFICATION OF APPLICANT** Be ranked as a senior-class official of the department in charge of tax administration except customs (Note: This seminar is designed for the Deputy Commissioner or Assistant Commissioner of the Head Office, the Commissioner or the Deputy Commissioner of the Regional Taxation Bureau, or the District Director of the Tax Office.)
4. **TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) National Tax Administration (NTA)
5. **REMARKS**

STOCK EXCHANGE SEMINAR

Feb. 13, 2001 - Mar. 8, 2001, 7 participants

証券取引所セミナー(アジア地域)

J-00-03471

1. **PURPOSE** To provide opportunity to acquire basic knowledge of the Japanese Stock Exchange, in order to help the participants contribute to the development of capital markets of their countries.
2. **MAIN FEATURES OF CURRICULUM** This seminar is aimed mainly at furnishing participants with general, basic information on the Japanese securities market. The program of the seminar is as follows: (1) outline of stock exchange (outline of Tokyo Stock Exchange, law, taxation, public administration) (2) detail of stock exchange (membership system, listing system, trading system, market surveillance and compliance system, clearing and settlement system)
3. **QUALIFICATION OF APPLICANT** (1) staff members of stock exchanges or the competent regulatory authorities of securities markets who have more than 3 years of occupational experience in this field (2) between 25 and 35 years of age.
4. **TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Tokyo Stock Exchange (TSE)
5. **REMARKS**

CUSTOMS ADMINISTRATION

Aug. 22, 2000 - Oct. 13, 2000, 15 participants

税関行政

J-00-00646

- 1. PURPOSE** The purpose of the course is to contribute to the development and improvement of Customs techniques in participating countries through the introduction of the Japanese Customs system and techniques and carrying out comparative studies. At the same time, it aims at deepening mutual understanding and promoting friendly relationship among participating countries and Japan.
- 2. MAIN FEATURES OF CURRICULUM** The course covers following subjects; (1) organization and function of the Japanese Customs administration (2) Customs and tariff policy, and the systems for the revision of tariff rates (3) cargo and passenger processing in general and computerized clearance system (4) classification techniques under the Harmonized System (5) WTO Valuation Agreement and post clearance audit techniques (6) function and control of warehousing (7) intelligence management including RISK assessment, profiling and targeting (8) protection of Intellectual Property Right, endangered species and earth environment (9) human resource development programme, with emphasis on the training
- 3. QUALIFICATION OF APPLICANT** (1) currently Customs official at middle level (2) university graduate or equivalent (3) under 35 years of age
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Customs and Tariff Bureau, Ministry of Finance
- 5. REMARKS**

INTERNATIONAL CIVIL AND COMMERCIAL LAW

Jan. 15, 2001 - Feb. 25, 2001, 12 participants

国際民商事法研修

J-00-03284

- 1. PURPOSE** The purpose of this course is to discuss reasons and solutions for various problems which the civil judiciary faces in respective countries, and give lectures on basic economic transaction laws in Japan (especially the ones which are indispensable in the transition to market-oriented economy and some topics needed in preparation of its operation system), and thereby to contribute to the improvement of strategies for prevention and solution of disputes concerning economic transaction.
- 2. MAIN FEATURES OF CURRICULUM** The following major subjects will be covered in the course; (1) Japanese law system (2) structure and role of the Ministry of Justice (3) basic legislation of civil and commercial affairs (4) monitoring committee of stock exchange (5) international private law, and (6) court system
- 3. QUALIFICATION OF APPLICANT** (1) officials in department of justice in respective government, public prosecutors, registrars, judges (2) have more than 8 years' experience (3) under 50 years of age (4) university graduates from faculty of law (5) officials who are engaged in jobs relevant to the main topic of the course or middle-ranking executives with such experience who have good command of English (Applicants with judicial license are given priority.)
- 4. TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Research and Training Institute, Ministry of Justice (3) International Civil and Commercial Law Centre
- 5. REMARKS**

ENVIRONMENT MANAGEMENT SEMINAR

Jun. 5, 2000 - Jul. 16, 2000, 8 participants

環境管理セミナー

J-00-00663

- 1. PURPOSE** In developing countries, countermeasures to industrial pollution and urban-life pollution from the viewpoint of prevention of global warming are to be promoted. The introduction of appropriate technology for sustainable development is also required.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the following major subjects will be covered through lectures, discussions and observation trips: (1) countermeasure to environmental problem and its history (2) environmental law system in Japan (3) establishment of environmental standard and discharge standard (4) monitoring of generation sources (5) establishment of environmental management plan and regional pollution prevention plan (6) environmental assessment (7) sustainable development (8) preservation of global environment
- 3. QUALIFICATION OF APPLICANT** (1) middle-ranking officials in charge of project planning in the field of environment (2) have more than 10 years' experience (3) between 35 and 45 years of age (4) university graduates
- 4. TRAINING INSTITUTIONS** (1) Osaka International Centre, JICA (2) Global Environment Centre Foundation (GEC) (3) Environment and Public Health Bureau, Osaka City Government (4) Kwansai Gakuin University
- 5. REMARKS**

RISK ASSESSMENT AND MONITORING FOR ENVIRONMENTAL CHEMICALS

Feb. 5, 2001 - Sep. 2, 2001, 8 participants

環境負荷物質の分析技術及びリスク評価

J-00-03387

- 1. PURPOSE** Contamination of environment and agricultural products caused by environmental chemicals including pesticide residues and environmental endocrine disruptors is an issue shared by both developed and developing countries. In order to assess the safety of the environment and agricultural products, the improvement of risk assessment and monitoring technologies for environmental chemicals requires immediate attention. The aim of this course is designed that leading technical officers and researchers can gain knowledge and technologies for risk assessment and monitoring environmental chemicals through lecture, practice and observation.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is placed on introduction of comprehensive knowledge on the following subjects through lecture, practice and field trip. (1) Administration and laws for environmental chemicals (2) Environmental chemicals (3) Analytical methods of environmental chemicals including pesticide residues in crops and environment (4) Biotechnological approach (Biotechnology, Immunoassays, Bioassays) and (5) Fieldtrips/Observation trips.
- 3. QUALIFICATION OF APPLICANT** (1) Intermediate level technical officers in the fields of environmental science and leading technical officers and researchers in charge of risk assessment and monitoring environmental chemical (2) Experience in analysis and risk assessment of environmental chemicals (3) University graduates or equivalents (4) 25 to 40 years of age
- 4. TRAINING INSTITUTIONS** (1) Hyogo International Centre (HIC), JICA (2) Faculty of Agriculture, Kobe University (3) Hyogo Prefectural Agricultural Institute (4) Kobe Quarantine Station, Ministry of Health and Welfare (5) Hyogo Prefectural Institute of Environmental Science (6) Sumika Chemical Analysis Service, Ltd. (7) Nissei Sangyo Co., Ltd.
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted for 8 days prior to the technical training

ENVIRONMENTAL MANAGEMENT

Aug. 21, 2000 - Dec. 8, 2000, 8 participants

公害防止行政

J-00-03358

- PURPOSE** This course is intended for executive officials belonging to the environment agencies/departments having jurisdiction over the developing legislation, enforcement, monitoring, and technical instructions connected with the environmental laws/ordinances. This course aims to enhance their competence for environmental management by helping them acquire administrative and managerial know-how related to environmental policies. Through the present course, each participant is expected: (1) to study the environmental control measures currently practiced in local government in Japan, and the steps taken by Japanese local governments for planning and drawing up anti-pollution agreements and environmental management policies, which have played significant roles in the prevention of serious environmental disruption, (2) to acquire environmental monitoring techniques through lectures, case studies and practical training, and (3) to study technological and managerial aspects of the water and air pollution control, getting back to the roots of the problems. (4) to seek for methods to improve the environmental management system in his/her country by reviewing what have obtained through this course.
- MAIN FEATURES OF CURRICULUM** The course consists of lectures, observation, practice and discussion. The emphasis is put on introduction of Japanese situation and technical know-how. The technical training of the course consists of a general study program and a detailed study program. In the general study program, the outline of the environmental management in Japan will be described. In the detailed study program, the subjects of "(1) measures to preserve water quality", "(2) measure to preserve atmosphere", "(3) other anti-pollution measures", "(4) EIA", "(5) ISO", "(6) waste management", "(7) global anti-pollution measures", and "(8) environmental education" will be studied. For each module, lectures comprising theoretical explanations will be given in the first place, and then practical training and observation sessions will be given to deepen the understanding of the theoretical study.
- QUALIFICATION OF APPLICANT** (1) senior technical staff presently directly engaged in the environmental administration in the national and local governmental or related public organizations (2) more than three years experience in the field of environmental protection (3) university graduate or equivalent (4) between 30 and 40 years old
- TRAINING INSTITUTIONS** (1) Chugoku International Centre (CIC), JICA (2) Hiroshima Prefectural Health and Environment Center
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for one weeks (25 hours).

INDUSTRIAL WASTEWATER TREATMENT TECHNIQUE

Jul. 17, 2000 - Nov. 26, 2000, 8 participants

産業廃水処理技術

J-00-00398

- PURPOSE** In industrializing process, environmental pollution due to industrial wastewater has become a serious problem. The purpose of this course is to enhance the capabilities of managers and engineers in charge of pollution control so as to take appropriate and cost-effective actions for solving pollution problems.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on introduction of Japanese experience in dealing with practical industrial wastewater treatment through lectures, discussions, practice, field studies and visits to related factories and industries. The major subjects covered in the course are: (1) introduction to water pollution prevention (2) basic theory of wastewater treatment (3) wastewater analysis (4) automatic control (5) fundamental planning of wastewater facilities (6) design and construction of wastewater treatment facilities (7) maintenance management of wastewater treatment facilities (8) wastewater control in enterprises
- QUALIFICATION OF APPLICANT** (1) either engineer in charge of wastewater treatment in governmental or municipal office, or site manager of these organization with more than three years of experience (2) university graduate majored in chemical, mechanical, electrical or civil engineering or have the equivalent academic background (3) under 40 years of age
- TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) Kitakyushu International Techno-cooperative Association (KITA) (3) Kyushu Institute of Technology (KIT) (4) Kitakyushu City Government
- REMARKS** A compulsory 25-hour Japanese language course will be conducted prior to the technical training.

INDUSTRIAL POLLUTION CONTROL ENGINEERING

Apr. 24, 2000 - Aug. 5, 2000, 7 participants

産業環境対策

J-00-00311

- PURPOSE** Along with industrialization and urbanization, environmental pollution problems have been increasing in developing countries. Therefore, it is indispensable for those countries to develop countermeasures against industrial pollution. The purpose of this course is to enhance the capability of engineers who have experience in handling environmental problems.
- MAIN FEATURES OF CURRICULUM** Participants will attend lectures, training and factory tours to understand past and present environmental problems in Japan, as well as prevention and control measures executed by corporations. Through this course, participants will acquire basic knowledge, information and technology required for planning environmental administrative measures suitable for respective countries, and further, finding solutions for preventing environmental pollution. The major subjects covered in the course are: (1) health effects of environmental pollutants (2) environmental engineering (3) environmental administration (4) environmental pollutants measuring method (5) international cooperation in the field of the environment (6) environmental pollution control measures taken by industries (7) measures for improving the working environment
- QUALIFICATION OF APPLICANT** (1) Engineers with three years' occupational experience or more in the field of industrial pollution control (2) university graduates (faculty of engineering) or have the equivalent academic background (3) 40 years of age or less
- TRAINING INSTITUTIONS** (1) Kitakyushu International Centre (KIC), JICA (2) Kitakyushu International Techno-cooperative Association (3) Kyushu Institute of Technology (4) University of Occupational and Environmental Health, Japan (5) Kitakyushu Municipal Government
- REMARKS** A compulsory 25-hour Japanese language course will be conducted prior to the technical training.

ENVIRONMENTAL RESOURCE MANAGEMENT THEORIES AND TECHNIQUES FOR SUSTAINABLE DEVELOPMENT

Oct. 2, 2000 - Dec. 17, 2000, 8 participants

持続的開発に向けた環境資源管理の理論と技術 J-00-03394

- PURPOSE** The purpose of this course is to upgrade the participants capability of environmental resource management and the knowledge of social and economic evaluation measures for policy making for their respective countries.
- MAIN FEATURES OF CURRICULUM** It mainly covers: (1) The definition of sustainable development (2) Japan's past experiences of pollution control, environmental preservation and policy evaluation (3) The theory and techniques of sustainable resource management (4) The methods of project evaluation and environment assessment for sustainable resource management (5) The techniques of policy evaluation for environmental policies for the respective countries
- QUALIFICATION OF APPLICANT** (1) Applicant should be nominated by their government in accordance with the procedures. (2) Applicant should be those who are member of NGO/NPO, local government and private sector who are currently involved in environmental management. Participation of women and those who belong to private sectors of NGOs/NPOs are highly encouraged. (3) University graduates. (4) Basic knowledge on macro and micro economics as well as statistics. (5) Language preference: English, TOEFL 550 or equivalent. (6) Age: up to 40 years old. (7) Good health. (8) Applicants should not be serving in the military.
- TRAINING INSTITUTIONS** (1) Chugoku International Centre (CIC), JICA (2) Graduate School for International Development and Cooperation (IDEC) at Hiroshima University
- REMARKS**

PLANIFICACION DEL TRATAMIENTO DE AGUAS RESIDUALES DOMESTICAS EN BASE A LOS METODOS COLECTIVOS E INDI

Aug. 21, 2000 - Nov. 10, 2000, 12 participants

集合処理(下水道など)と個別処理による生活排水処理計画 J-00-03347

- 1. PURPOSE** The purpose of this course is to learn planning skill of domestic waste water management based on future population estimate according the scale of target area, which contributes to the improvement of environmental conservation in a respective country.
- 2. MAIN FEATURES OF CURRICULUM** It mainly covers: (1) the physical and chemical measurement of water quality (2) the history of Japanese domestic waste water treatment and outline of countermeasures taken by the central or local government (3) the theory and practical treatment method (4) environmental education. (5) zoning of a collective treatment and a house scale treatment
- 3. QUALIFICATION OF APPLICANT** (1) presently engaged in planning and/or implementing of domestic waste water treatment with more than three years occupational experience (2) university graduate or equivalent (3) not more than 40 years of age.
- 4. TRAINING INSTITUTIONS** (1) Chugoku International Centre (CIC), JICA (2) Higashi-Hiroshima City Office.
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for one week (25 hours). The course will be conducted in Spanish.

ENVIRONMENTAL EDUCATION COURSE FOCUSED ON AQUATIC ENVIRONMENT

Sep. 25, 2000 - Nov. 7, 2000, 8 participants

水環境を主題とする環境教育

J-00-03487

- 1. PURPOSE** The Purpose of this course is to provide the participants with practical knowledge and method of environmental education (mainly water environment) through typical examples and observations, in order to contribute to the enhancement and development of environmental education.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the following major subjects will be covered through lectures, practices and observation trips; (1) lecture on environmental education (ecology, earth environment, toxic materials etc.) (2) practice on environmental education (document research study, discussions, analysis, observation study etc.) (3) lecture on water quality management and environment (basic concept of lake maintenance management, history of water pollution in Japan, restriction of industrial pollution in Japan, environmental preservation, resident participation, environmental problem in developing countries) (4) observation study of school education and facilities for environmental purification
- 3. QUALIFICATION OF APPLICANT** (1) University/College lecturer or equivalent (2) experience over 4 years and under 13 years in this field (3) over 26 years and under 35 years of age (4) university/college graduate or equivalent (5) Teaching staff of environmental education or person expected to be in charge
- 4. TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) International Lake Environment Committee Foundation (3) Shiga University
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for two weeks (25 hours).

DOMESTIC WASTEWATER TREATMENT TECHNIQUES

Aug. 21, 2000 - Dec. 3, 2000, 8 participants

生活排水対策

J-00-00655

- 1. PURPOSE** The purpose of this training course is to upgrade the administrative and managerial skills of technical administrators who are currently engaged in domestic wastewater treatment in local governments.
- 2. MAIN FEATURES OF CURRICULUM** The training programme consists of lectures and practical field work on domestic wastewater management. The emphasis is put on providing participants with practical and applicable skills and knowledge as well as Japanese experience to help them to formulate their Action Plans, which are most appropriate for the current status of their respective countries. The subjects covered in the course are: (1) basic theory of local administration (2) basic theory of water quality conservation (3) administrative framework of water pollution control in Kitakyushu and Japan (4) basic practice in water quality analysis (5) practical training in water supply (6) practical training in sewage/drainage treatment (7) practical training in human excreta treatment (8) practical training in Jokaso system (9) outline of domestic refuse treatment (10) outline of river/waterway management in urban areas
- 3. QUALIFICATION OF APPLICANT** (1) technical administrator with three or more years of experience in domestic wastewater treatment in local governments or equivalent technical knowledge (2) university graduate or the equivalent (3) 40 years of age or less
- 4. TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) Kitakyushu International Techno-cooperative Association (KITA) (3) Kitakyushu City Government
- 5. REMARKS** A compulsory 25-hour Japanese language course will be conducted prior to the technical training.

AIR POLLUTION SOURCE MONITORING MANAGEMENT

Aug. 28, 2000 - Dec. 13, 2000, 9 participants

大気汚染源モニタリング管理

J-00-00660

- 1. PURPOSE** The purpose of the training course is to upgrade the technical knowledge of the air pollution source monitoring, and to develop the capacity in environmental management promoting comprehensive air pollution control, for the officials who are currently engaged in air pollution control in local or central government.
- 2. MAIN FEATURES OF CURRICULUM** In the course, the following subjects will be covered through lectures, practices and observation trips. (1) administration for air pollution control (2) ambient air monitoring (3) air pollution source monitoring (4) automobile exhaust gas monitoring (5) prevention of pollution and environmental management (6) summary, discussion and evaluation meeting.
- 3. QUALIFICATION OF APPLICANT** (1) technical officials directly engaged in air pollution control administration at local or central government, and having more than 5 years of experience in the field (2) university graduates in chemistry, chemical engineering, sanitary engineering, environmental engineering, environmental science or biology, or the equivalent (3) 45 years of age or younger.
- 4. TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) Kitakyushu International Techno-cooperative Association (3) Environmental Bureau, City of Kitakyushu
- 5. REMARKS** A compulsory 25-hour Japanese language course will be conducted prior to the technical training.

AIR POLLUTION CONTROL

Aug. 28, 2000 - Dec. 10, 2000, 8 participants

大気汚染対策

J-00-00613

- PURPOSE** This course is intended for administrative engineers engaged in air pollution control measures in participating countries. Measurement techniques, emission source control techniques, dispersion calculation techniques, management techniques, etc. related to air pollution, all on an advanced level, will be introduced to the participants. It is expected that the course will help upgrade the technical ability of the participants, thus contribute to the prevention of environmental pollution in their respective countries.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on introduction of Japan's experience in the field of Air Pollution Control. The main themes are: (1) fundamentals of air pollution (2) laws and regulations (3) measurement technique (4) emission source control (5) management (6) application of dispersion models (7) planning of master plan related to comprehensive air pollution control
- QUALIFICATION OF APPLICANT** (1) administrative engineer with at least 5 years experience in the administration of air pollution prevention (2) between 30 and 40 years of age (3) university graduates or the equivalent
- TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Global Environment Centre Foundation (3) Environment Division, Environment and Public Health Bureau of Osaka City (4) Osaka City Institute of Public Health and Environmental Sciences
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for two weeks.

ENGINEERING FOR REGIONAL ENVIRONMENTAL PRESERVATION

Oct. 2, 2000 - Dec. 19, 2000, 5 participants

地域環境保全技術

J-00-03462

- PURPOSE** The purpose of this course is to provide technical officials and researchers with comprehensive knowledge and techniques for measuring and analyzing environmental aspects such as air and water quality which is indispensable to the understanding of basic environmental factors. Consequently, the participants are expected to study the method of the region-wide environmental management and thereby to contribute to the formulation of various measures for environmental management and preservation.
- MAIN FEATURES OF CURRICULUM** This course mainly covers the following themes. (1) environmental legislation system (2) environmental impact assessment (3) pollution control plans, environmental management plans and other plans (4) regional activities that address global environmental problems (5) environmental measuring and analyzing pollution-related technology (6) environmental monitoring (7) measures to reduce the burdens of environmental pollution
- QUALIFICATION OF APPLICANT** (1) technical official and researcher engaged in the environmental administration of the national and local government or related public organization (2) university graduate in science and engineering or equivalent (3) have 'more than 5 years' experience in the field of environmental preservation (4) not more than 40 years of age
- TRAINING INSTITUTIONS** (1) Hokkaido International Centre, Sapporo (HICS), JICA (2) Hokkaido Institute of Environmental Science
- REMARKS**

REGIONAL WATER ENVIRONMENT MANAGEMENT

Sep. 4, 2000 - Nov. 20, 2000, 8 participants

地域水環境管理

J-00-03430

- PURPOSE** The course is designed for technical administrative officials who are engaged in planning and design sewerage and/or environment management project in local government scale. The objective of this course is not only to provide fundamental knowledge and technologies for planning and designing small scale distributed type of sewers and treatment plants but also give training in the operation and maintenance including the less energy requirement and recycling scenarios. The course also intends to improve their flexible capacity building taking into account the development policy balance between the metropolitan and local cities.
- MAIN FEATURES OF CURRICULUM** The course covers; (1) lecture on water ecosystem management, waste water treatment system and method of recycling and reuse, (2) training of operation and maintenance of waste water treatment system including advanced treatment as Shimanto method, (3) excursion of advanced treatment and reuse projects, (4) preliminary planning for a small scale distributed type of sewage system including recycling and reuse.
- QUALIFICATION OF APPLICANT** (1) a university graduate or a person who has equivalent technical qualifications in this field, and more than three years of practical experience (2) a technical official in charge of waste water treatment or environment management in central and/or local government or bodies (3) under 40 years of age with some knowledge of using personal computer (word processor level)
- TRAINING INSTITUTIONS** Kochi University of Technology, KUT campus
- REMARKS** The lecture and reporting preliminary planning will be carried out by using personal computer and LAN system in the KUT campus.

REGIONAL DRAINAGE BASIN ENVIRONMENT

May 21, 2000 - Aug. 6, 2000, 8 participants

地域流域環境

J-00-03383

- PURPOSE** This course is designed to learn the relation between regional area and water in general for the purpose of regional drainage basin environment and upgrading the water quality of water supply and sewage system and so on. This training course will provide technical officers and researchers with the knowledge about water and drainage basin environment through lecture, observation and discussion about the situation of own countries by each participant.
- MAIN FEATURES OF CURRICULUM** This course includes the curriculum such as below; (1) lectures; The Basic concept of Regional Drainage Basin Environmental Management, The Hydrological Cycle, The relation with Weather and Water, The relation with natural environment and water, The relation with residents and water, Water supply system, Sewage system (2) Practices; Water supply system, Water sewage system (3) Observation; Satunai river dam, Improvement of Obihiro river basin, Irrigation dam etc. (4) Discussion; (subject, environmental conservation in the view of regional drainage basin) (*notice; These subject has possibility to change in detail)
- QUALIFICATION OF APPLICANT** Applicants should; (1) be technical officers or researchers who are engaged in water and water quality management (2) have more than Three (3) years of practical experience (3) be university graduates or the equivalent (4) be at least twenty-five (25) and more than forty (40) of years of age (5) be in good health and able to undergo the training (6) not be serving military
- TRAINING INSTITUTIONS** (1) City of Obihiro (2) Graduate School of Environmental Earth Science, Hokkaido University
- REMARKS**
- OTHER** The training field is Satunai River where the quality of water is very high in Japan.

ENVIRONMENTAL MANAGEMENT FOR ENCLOSED COASTAL SEAS

Aug. 7, 2000 - Oct. 22, 2000, 6 participants

閉鎖性海域の環境管理技術

J-00-00673

- PURPOSE** The purpose of the course is to provide the officials in administrative bodies which are engaged in the environmental management of enclosed coastal seas with following: (1) technical knowledge related to environmental management strategies specifically applied to Seto Inland Sea, which would give the participants opportunities to examine possible applicabilities of these strategies to their respective countries. (2) an opportunity in which the participants can discuss with Japanese expert in environmental management field and exchange views and opinions.
- MAIN FEATURES OF CURRICULUM** Lectures: (1) General view of water pollution (2) Analysis of water pollution (3) Water quality criteria (4) Foundation of water pollution modeling (5) Remote sensing technique (6) Waste water treatment technique (7) Legal system (8) Administration of waste disposal (9) Environmental impact assessment (10) Chemical assessment (11) Mangrove conservation (12) Environmental management plan Practice and observation: (1) Hyogo prefectural environmental information center (2) Algae collecting (3) Simulation technique (4) Water flow of Seto Inland Sea (5) Water quality analysis (6) Waste water treatment technique (7) Sewage treatment technique (8) Regional waste disposal processing plant (9) Fisheries experimental station
- QUALIFICATION OF APPLICANT** (1) leading officers in administrative body presently engaged in environmental management of enclosed coastal seas (2) university graduates and/or those who have equivalent practical experience of not less than five years in the field of environment on enclosed coastal seas (3) not less than 26, and not more than 40 years of age
- TRAINING INSTITUTIONS** (1) Hyogo International Centre (HIC), JICA (2) Hyogo Prefectural Institute of Environmental Science (3) International Center for the Environmental Management of Enclosed Coastal Seas
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for 40 hours.

MARINE POLLUTION SURVEILLANCE AND CONTROL

Aug. 3, 2000 - Oct. 22, 2000, 8 participants

海洋保全

J-00-00289

- PURPOSE** The course is organized for officials who are engaged, by profession, in the prevention of marine pollution. It introduces techniques for surveillance and control of marine pollution mainly caused by illegal discharge of waste materials, and for analysis of such substances as routine tasks. At the same time it introduces the official activities of Japan concerning the protection of marine environment.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures and laboratory work, focusing on surveillance and analysis of oil. The main themes are; (1) surveillance and control of marine environment (2) discrimination and identification of oil (3) oil sample analysis
- QUALIFICATION OF APPLICANT** (1) university graduate or equivalent, or have an occupational experience of more than five (5) years in the field of marine pollution prevention (2) presently engaged in the above-mentioned field (3) under 40 years of age
- TRAINING INSTITUTIONS** (1) Okinawa International Centre (OIC), JICA (2) Maritime Safety Agency (3) 11th Regional Headquarters of Maritime Safety Agency
- REMARKS** This training course is geared mainly to the acquisition of techniques to monitor and prevent oil spillage. As for the methodology and skills of spilled oil recovery, etc., an intensive training is available in another JICA course.

HEAVY METAL POLLUTION CONTROL

May 8, 2000 - Jul. 23, 2000, 6 participants

有害金属汚染対策

J-00-03304

- PURPOSE** The purpose of this course is to make participants understand the importance of measures against harmful metal pollution through examples of pollution caused by harmful metal (i.e., lead in exhaust gas from automobiles, Minamata disease, and Itai-itai disease). The participants will master techniques to control source of pollutant through practice and the analysis of harmful metal in the source of pollutant, in the air, industrial wastewater, river water, soil, and plants, and thereby to contribute to establish pollution measures in respective countries.
- MAIN FEATURES OF CURRICULUM** The following major subjects will be covered in the course; (1) toxicity evaluation of toxic substance (2) case study on harmful metal pollution and its influence on plants and health (3) standard of harmful metal in the air, water, soil, and food and its restriction by laws (4) harmful metal analysis and analytic practice on the air, water, wastes, soil, and food etc. (5) influence on plants and health such as growth disorder caused by harmful metal (6) recovery strategy of polluted soil, etc., and (7) treatment technology of toxic substance
- QUALIFICATION OF APPLICANT** (1) middle-ranking technical officials in the field of environment (2) have more than 3 years' experience (3) between 30 and 40 years of age (4) university graduate and equivalent (5) have experience in environmental analysis
- TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Global Environment Centre Foundation (3) Department of Environment Agriculture, Forestry, and Fisheries, Osaka Prefectural Government
- REMARKS**

ENVIRONMENTAL RADIOACTIVITY ANALYSIS AND MEASUREMENT

Sep. 5, 2000 - Oct. 14, 2000, 5 participants

環境放射能分析

J-00-00686

- PURPOSE** The purpose of the course is to give the participants practical knowledge of environmental radioactivity analysis and measurement, and to give them an opportunity to learn the relevant techniques through lectures and practical exercises.
- MAIN FEATURES OF CURRICULUM** The course is aimed to introduce technology of environmental radioactivity analysis and measurement in Japan; therefore, the course mainly consists of lectures, laboratory exercises, and observations. The following major subjects will be covered in the course: (1) basic concepts (2) sampling and pretreatment (3) analysis and measurement of tritium, radioactive strontium and uranium in environmental samples (4) gamma ray spectrometry (5) environmental gamma ray dose measurement (6) visiting a nuclear power plant (7) others
- QUALIFICATION OF APPLICANT** (1) university/college graduate in science or technology, or equivalent (2) working in an organization concerned with environmental radioactivity analysis and measurement fields
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Japan Chemical Analysis Center (JCAC)
- REMARKS**

**CONSERVATION AND SUSTAINABLE
MANAGEMENT OF CORAL REEFS**

May 6, 2000 - Jul. 16, 2000, 7 participants

サンゴ礁保全

J-00-00669

- 1. PURPOSE** This course is designed to contribute to the promotion of coral reefs conservation. The purpose of the course is to provide administrative and/or technical officials in charge of conservation of coral reefs of tropic and sub-tropic countries with the knowledge and skills on research and planning methods and practical measures required for the promotion of sustainable management of coral reefs.
- 2. MAIN FEATURES OF CURRICULUM** This course is focused on the introduction of Japanese administration in nature conservation especially of coral reefs, national parks management and information exchange among participants. The course will be conducted in the form of lectures, practices, discussions and observation tours. The following major subjects will be covered in the course: (1) outline of environment conservation system and activity in Japan (2) conservation and sustainable management of coral reefs ecosystem (3) methods of research and conservation of coral reefs area (4) techniques to produce educational materials
- 3. QUALIFICATION OF APPLICANT** (1) be administrative and/or technical official presently engaged in coral reefs conservation and/or management administration in a central or local government or its attached organization, with practical experience of 5 or more years (2) be university graduate or equivalent (3) be skilled in snorkeling (4) be not more than 40 years of age
- 4. TRAINING INSTITUTIONS** (1) Okinawa International Centre (OIC), JICA (2) Environment Agency (3) Yaeyama Marine Park Research Station, Marine Parks Center of Japan
- 5. REMARKS**

**ENVIRONMENTAL MONITORING
(WATER QUALITY)**

Oct. 2, 2000 - Nov. 26, 2000, 10 participants

環境モニタリング(水質)

J-00-00688

- 1. PURPOSE** The purpose of the course is to develop the knowledge of government researchers and technical officials who are engaged in water quality monitoring for the promotion of preventive measures against water pollution. Through participation in this course, the participants will learn methods of planning water quality monitoring and fundamental techniques of water quality analysis as applied to rivers, lakes, reservoirs, and estuaries. Special applications for water-use facilities will also be covered.
- 2. MAIN FEATURES OF CURRICULUM** The course is aimed to introduce methods of planning water quality monitoring, techniques of analyzing water pollutants, and administrative management of monitoring, therefore the course mainly consists of lectures, discussions, demonstration and laboratory exercise, and field-trips. The following major subjects will be covered in the course: (1) environmental administration in Japan, (2) significance of water quality monitoring, (3) water quality monitoring planning, (4) water quality analytical measurement techniques, (5) utilization of analytical data on water quality
- 3. QUALIFICATION OF APPLICANT** (1) university graduate who majored in chemistry, chemical engineering, environmental engineering, environmental science, or equivalent (2) government researcher or technical official with more than three years of occupational experience in the field of water pollution research and administration at the agencies of national or local governments, with emphasis on water quality monitoring (3) not less than 25 and not more than 35 years of age
- 4. TRAINING INSTITUTIONS** National Environmental Training Institute, Environment Agency
- 5. REMARKS**

ENVIRONMENTAL IMPACT ASSESSMENT

May 9, 2000 - Jun. 18, 2000, 10 participants

環境影響評価実務

J-00-00672

- 1. PURPOSE** In order to promote sustainable development in the world, it is imperative to execute appropriate environmental impact assessments. The purpose of the course is to transfer fundamental knowledge and technology on EIA (Environmental Impact Assessment) to technical administrators from participating countries through lectures on experiences of conducting EIA in recent years both in Japan and other countries, field trips, and discussions with experts practicing EIA in Japan.
- 2. MAIN FEATURES OF CURRICULUM** The course is focused on introduction of Japanese administration and technology in EIA, activities of international organizations regarding EIA, and information exchange among participants; therefore, the course mainly consists of lectures, discussions, and observation tours. The following major subjects will be covered in the course is: (1) introduction to EIA (2) EIA system and practice in Japan (3) topics related to EIA (wildlife survey, infectious disease, communication techniques) (4) technology for EIA (5) institutional framework for EIA
- 3. QUALIFICATION OF APPLICANT** (1) technical administrators presently engaged in EIA in governmental or related public organization with experience of at least three years (2) university graduates or equivalents (3) under 45 years of age
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Planning and Coordination Bureau, Environment Agency (3) Overseas Environmental Cooperation Center
- 5. REMARKS**

**ENVIRONMENTAL ENGINEERING
(AIR POLLUTION CONTROL)**

Jan. 22, 2001 - Mar. 11, 2001, 9 participants

環境技術(大気保全)

J-00-00329

- 1. PURPOSE** The purpose of the course, from a technical point of view, is to contribute to the improvement of air pollution control policy making in the participating countries. It also covers socio-economic development and welfare aspects by giving technical training through lectures and observation tours on general condition of air pollution control.
- 2. MAIN FEATURES OF CURRICULUM** This course aims to present Japanese experience in this field as a case study for preparation of comparative study and action plan. It mainly covers: (1) administration (2) principles of air pollution subjects (3) planning and countermeasures (4) measurement and assessment (5) comprehensive study
- 3. QUALIFICATION OF APPLICANT** (1) technical official directly responsible for air pollution control administration at either central or local governmental organizations and have more than three years of experience (2) university graduate or equivalent technical qualification (3) under 40 years of age
- 4. TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) Japan Environmental Sanitation Center (JESC)
- 5. REMARKS**

ENVIRONMENTAL ADMINISTRATION

Sep. 26, 2000 - Nov. 19, 2000, 9 participants

環境行政

J-00-00506

- PURPOSE** The purpose of the course is to introduce through lectures and observation of facilities, the Japanese comprehensive measures on environmental issues to administrators who are in charge of policy making on environmental administration in participating countries. This course also aims to contribute to the progress of environmental administration in developing countries by means of exchanging opinions concerning present conditions and prospects on environmental administration of each country.
- MAIN FEATURES OF CURRICULUM** This course is designed so that the participants would (1) understand the overall Japanese environmental administration including the technical progress, and (2) acquire the knowledge to manage the environmental administration of their countries in consideration of global environmental problems. The main subjects (tentative) are as follows: (1) framework and historical, technological background of Japanese environmental administration (2) economic approach to environmental administration (3) attitude toward global environmental problems both in Japan and other countries (4) environmental impact and development (5) technological field of environmental measurement (observation) (6) development site (observation) (7) present conditions and prospects in developing countries (8) action plan
- QUALIFICATION OF APPLICANT** (1) presently engaged directly in policy-drafting in environmental administration in the governmental or related public organization with experience of at least five years (2) be university graduates or possess the equivalent academic background (3) be preferably aged from 30 to 40
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Global Environmental Department, Environmental Agency (3) Japan Environmental Sanitation Center
- REMARKS**

MONITORING AND CONTROL TECHNOLOGY OF ACID DEPOSITION

Oct. 9, 2000 - Dec. 17, 2000, 8 participants

酸性雨のモニタリングと対策技術

J-00-03339

- PURPOSE** The purpose of the course is to provide training for mid-level engineers of central and local governments in the East Asian region and enable them to acquire techniques for monitoring acid deposition, understand the mechanism of its generation and evaluate its impact on ecosystem through lectures, experiments and other methods. By visiting plants, participants also learn the theory and practice concerning measures to control the emission of SO_x and NO_x which cause acid deposition. In addition, the program seeks to establish a network for environmental problems by information exchange among administrators, scholars and engineers in Asian countries including Japan, thus contributing to the effective operation of the Acid Deposition Monitoring Network in East Asia.
- MAIN FEATURES OF CURRICULUM** (1) Monitoring acid deposition: Lecture, field exercise using mechanical instrument, experiments in the laboratories (2) Control technology of sources of air pollutants: lecture, observation of the factories (3) Visiting insitutions: visiting and observing the institutions representing monitoring acid deposition in Japan
- QUALIFICATION OF APPLICANT** (1) Leading officers in administrative bodies engaged in the field of environmental management with an experience from more than 3 years to less than 10 years (2) University graduates and/or those who have equivalent practical experience (3) Those who have an elementary knowledge of data analysis by personal computer. (4) Less than 35 years of age
- TRAINING INSTITUTIONS** (1) Hyogo International Centre (HIC), JICA (2) Hyogo Prefectural Institute of Environmental Science
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for 40 hours.

LAKE WATER QUALITY MANAGEMENT

Jan. 4, 2001 - Mar. 18, 2001, 10 participants

湖沼水質保全

J-00-00687

- PURPOSE** This course is intended for technical administrators and leading researchers engaged in the establishment and implementation of policies and measures for preservation and management of water quality of lakes (natural and artificial) in developing countries. Techniques needed for water quality management of lakes, such as measurement, prevention, estimation and control techniques at a higher level, will be introduced to the participants through lectures and practices. Participants are expected to acquire fundamental knowledge required for making plans and programmes for proper management of lake water quality. This course aims to contribute to the qualitative improvement and sound development of environmental conservation of lakes and reservoirs in participating countries.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on workshop practice. The main themes are: (1) lectures (a) environmental problems related to lakes and reservoirs (b) water pollution prevention techniques (c) water quality management (d) water pollution estimation techniques (e) environment management techniques (f) administrative measures for environmental preservation, (2) practices (a) water treatment techniques (b) measurement techniques (c) environment management techniques
- QUALIFICATION OF APPLICANT** (1) technical administrator in charge of lake or wetland water, or rivers which flow into lakes or wetland (with occupational experience of at least five years) who is expected to assume executive administrative posts in the field of water quality management in the future, (2) or researcher for water quality measurement laboratories (with professional experience of at least 5 years), who is expected to take a leading role for planning proper management of water quality in lakes, wetlands and tributary rivers, (3) university graduate having majored in environmental engineering, limnology, chemistry, biology, or having equivalent technical knowledge (4) under 35 years of age
- TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) International Lake Environment Committee Foundation
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for one week.

NATURE CONSERVATION

Aug. 22, 2000 - Oct. 1, 2000, 9 participants

自然環境管理

J-00-00659

- PURPOSE** The purpose of the course is to provide government/technical officials in charge of nature conservation and/or management administration with professional knowledge and techniques required for nature conservation and natural parks management. The course is also intended to introduce the Japanese experience and current conditions in this field and to provide the participants with principles and approaches for problem solution.
- MAIN FEATURES OF CURRICULUM** The course is focused on the introduction of Japanese administration in nature conservation and natural parks management and the information exchange among participants; therefore, the course is mainly conducted in the form of lectures, discussions, and observation tours. The following major subjects will be covered in the course: (1) basic concepts and framework of nature conservation and natural parks management (2) present situation in participating countries (3) techniques for research on nature (4) management of nature
- QUALIFICATION OF APPLICANT** (1) technical official presently in charge of nature conservation and/or management administration in central or local governments with five or more years of experience in this field (2) university graduate or equivalent (3) not more than 45 years of age
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Nature Conservation Bureau, Environment Agency (3) Japan Wildlife Research Center
- REMARKS**

CONSERVATION OF WETLAND ECOSYSTEMS AND THEIR BIOLOGICAL DIVERSITY

Jul. 4, 2000 - Aug. 7, 2000, 8 participants

湿地環境及び生物多様性保全

J-00-00622

- 1. PURPOSE** The purpose of the course is to enhance professional knowledge and techniques required for middle-class government technical officials in participating countries who are in charge of the conservation of wetlands ecosystems, especially protection of biological diversity. The course also intends to contribute to the promotion of international cooperative projects conforming to the Ramsar Convention, in pursuit of site-specific conservation, management, and wise use of wetlands and protection of biological diversity.
- 2. MAIN FEATURES OF CURRICULUM** The curriculum consists of the following four parts, (1) The outline of conservation of wetlands ecosystems and biological diversity (2) The monitoring method for conservation of wetlands ecosystems and biological diversity (3) The conservation and recovering method for conservation of wetlands ecosystems and biological diversity (4) The method for wise use of wetlands ecosystems and natural resources.
- 3. QUALIFICATION OF APPLICANT** (1) technical officials presently in charge of nature conservation and/or management administration in central or local government with 3 or more and less than 8 years of experience in this field (2) university graduates or possess equivalent technical qualifications in this field (3) between 28 and 38 years of age.
- 4. TRAINING INSTITUTIONS** (1) Kushiro International Wetland Center (2) Nature Conservation Bureau, Environment Agency
- 5. REMARKS**

WATER QUALITY MANAGEMENT

Aug. 22, 2000 - Oct. 15, 2000, 9 participants

水質環境管理

J-00-00654

- 1. PURPOSE** The main purpose of the course is to provide technical officials with professional knowledge and techniques as well as comprehensive planning perspectives for water quality management. The course is also intended to introduce Japanese experience and the current conditions in the field of water quality management, to provide the participants with principles and approaches for solving problems, and to enhance participants' capability to contribute to environmentally sound socio-economic development and human welfare in their home countries.
- 2. MAIN FEATURES OF CURRICULUM** The course is focused on the introduction of Japanese administration in water pollution control and the exchange of information among participants. Therefore the course is conducted mainly in the form of lectures, discussions, and observation tours. The following major subjects will be covered in the course: (1) water quality management in Japan (2) effects of water pollution on water use and its countermeasures (3) planning and implementation of water quality management (4) technology for waste and wastewater management
- 3. QUALIFICATION OF APPLICANT** (1) technical officials presently in charge of water pollution control administration including domestic and industrial wastewater management in central or local governments with three or more years of experience in this field (2) university graduates or possess equivalent technical qualifications in this field (3) not more than 35 years of age
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Water Quality Bureau, Environment Agency (3) Japan Society on Water Environment
- 5. REMARKS**

BIODIVERSITY INFORMATION SYSTEM

Sep. 25, 2000 - Nov. 26, 2000, 10 participants

生物多様性情報システム

J-00-03378

- 1. PURPOSE** Through learning the following items necessary for the management of Nature Conservation or Biodiversity Conservation, the participants are expected to learn knowledge and techniques on the data collection, storage and dissemination of the biodiversity information (1) Nature Conservation Policy in Japan (2) Collection of biodiversity information (3) Trying Internet (HTML language) and GIS (Geographic Information System) for the management and dissemination of information (4) Practical dissemination of biodiversity information by Internet
- 2. MAIN FEATURES OF CURRICULUM** (1) Outline of Policy for biodiversity conservation (2) Practice of policy for biodiversity conservation (3) Outline of the data collection, management and dissemination of biodiversity information (4) Collection of biodiversity information (5) Practice of building Internet homepage
- 3. QUALIFICATION OF APPLICANT** (1) technical staff member of the Department of Nature Conservation or Biodiversity Conservation with two (2) or more years of experience in this field (2) university graduate or equivalent (3) not more than 40 years of age (4) have basic knowledge of how to use softwares on Windows 95
- 4. TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) Biodiversity Center of Japan, Nature Conservation Bureau, Environment Agency (3) Japan Wildlife Research Center (JWRC)
- 5. REMARKS**

DEVELOPMENT OF NATIONAL INVENTORIES AND STRATEGIES ON CLIMATE CHANGE

Jan. 8, 2001 - Mar. 1, 2001, 15 participants

地球温暖化対策コース

J-00-00572

- 1. PURPOSE** The purpose of this course is to assist participating countries to fulfill the obligation of the Framework Convention on Climate Change, Particularly; (1) developing green house gas emissions inventories and (2) providing such information as to develop strategies on climate change
- 2. MAIN FEATURES OF CURRICULUM** The curriculum consists of the following three parts. (1) lectures on (a) outline of the Framework Convention on Climate Change (b) the points of THE IPCC SECOND ASSESSMENT REPORT; (c) Japanese actions to address global warming; (d) outline of IPCC guideline on initial communications for main-Annex I Parties; (e) methodologies to calculate GHG emissions; (f) various kind of policies and measures and (g) mitigation measures against global warming in Japan (2) field trip and study visit (3) presentation and discussions (a) presentation of Country Reports (b) group discussions on the promotion of measures against global warming in the participating countries
- 3. QUALIFICATION OF APPLICANT** (1) officials who are presently working in a government administrative organization and are in charge of global warming issue (2) university graduate or equivalent (3) from 30 to 45 years of age
- 4. TRAINING INSTITUTIONS** (1) TBIC, JICA (2) Global Environment Department, Environment Agency, (3) Japan Weather Association (JWA)
- 5. REMARKS**

SAVING AND RE-USE OF WASTE WATER

no executed in FY 2000

廃水の再生利用

- 1. PURPOSE** In developing countries, countermeasures to industrial pollution and urban-life pollution from the viewpoint of prevention of global warming are to be promoted. The introduction of appropriate technology for sustainable development is also required.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the following major subjects will be covered through lectures, discussions and observation trips: (1) countermeasure to environmental problem and its history (2) environmental law system in Japan (3) establishment of environmental standard and discharge standard (4) monitoring of generation course (5) establishment of environmental management plan and regional pollution prevention plan (6) environmental assessment (7) sustainable development (8) preservation of global environment.
- 3. QUALIFICATION OF APPLICANT** (1) middle-class officials in charge of planning project in the field of environment (2) have more than 10 years experience (3) between 35 and 45 years of age (4) university graduates
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Water Re-Use Promotion Center
- 5. REMARKS**

INDUSTRIAL SOLID WASTE RECYCLING TECHNOLOGY

Jan. 16, 2001 - Feb. 25, 2001, 5 participants

産業廃棄物の再資源化

J-00-03121

- 1. PURPOSE** (1) to provide the participants with an outline of recycling technologies for industrial solid waste (2) to enhance their ability to develop policies on industrial solid waste management and recycling (3) to enhance their ability to plan, execute and evaluate projects related to industrial solid waste recycling (4) identify and select options for solving the problems of industrial solid waste (5) to provide the participants with an opportunity to exchange information on ways they have found to deal with problems concerning industrial solid waste recycling
- 2. MAIN FEATURES OF CURRICULUM** The following core subjects will be covered through the course, in principle: (1) History of industrial solid waste management and problems in the development of industrial activities (2) Administrative structures to promote industrial solid waste recycling (3) Current systems of industrial solid waste management and recycling (4) Legislation and policies in industrial solid waste management and recycling (5) Industrial solid waste management and recycling technologies (6) Case studies of recycling of industrial solid waste streams (7) Country Report (8) Study Visits to Facilities
- 3. QUALIFICATION OF APPLICANT** (1) be technical university graduates or possess equivalent technical knowledge and/or professional experience (2) be technical officials in the central or local government with more than five (5) years in principle of practical experience in the field of industrial waste management (3) be thirty (30) to forty-five (45) years of age
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Clean Japan Center
- 5. REMARKS**

TREATMENT AND RECYCLE TECHNOLOGY FOR INDUSTRIAL EFFLUENT AND WASTE

Jan. 22, 2001 - Mar. 5, 2001, 8 participants

産業排水・廃棄物の処理及びリサイクル技術

J-00-03361

- 1. PURPOSE** To upgrade knowledge and techniques of the participants in the field of the management of industrial effluent and waste through lectures and observations, so as to enable them to contribute to the promotion of the most effective and appropriate measures for the environmental protection.
- 2. MAIN FEATURES OF CURRICULUM** The objective of the technical sessions is to understand the balance between sustainable development and environmental conservation, and will consist of six sessions: (1) background and history of Japan's environmental policies and strategies (2) environmental conservation in lakes (3) industrial effluent management (4) waste disposal management (5) perspective strategies for environmental conservation, environmental monitoring system and impact assessment, and (6) review and discussion.
- 3. QUALIFICATION OF APPLICANT** (1) University graduates or those who have equivalent knowledge and/or professional experience (2) academic staff, administrative officers, professional engineers with more than 5 years experience of practical experience in the following work: (a) environmental monitoring stations (b) water treatment industries (c) technical engineers of factories, especially water pollution management and/or waste disposal management (3) under 45 years of age.
- 4. TRAINING INSTITUTIONS** (1) Chubu International Centre (CBIC), JICA (2) Tokai Technical Center
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for one week (25 hours).

TECHNOLOGY FOR INDUSTRIAL EXHAUST GAS TREATMENT AND ENERGY SAVING

May 15, 2000 - Jul. 3, 2000, 8 participants

産業排ガス処理技術及び省エネルギー技術

J-00-03323

- 1. PURPOSE** To provide with current theories, information and technology concerning industrial exhaust gas treatment and industrial energy utilization, which enhance ability to plan, execute and evaluate projects concerned. To provide methods for solving the problems of control and treatment of industrial exhaust gas, and opportunities to exchange information about how to deal with problems in this field.
- 2. MAIN FEATURES OF CURRICULUM** Session I; History of industrial pollution in Yokkaichi City, Country Report presentation by the participants, Session II; System of environmental pollution control laws in Japan, Air pollution control law and environmental standard, Roles of central and local government in the environmental issues, Administrative guidelines to supplement laws and regulations, Introduction of Elemental dispersion model Session III; Energy saving law and related law on energy saving and recycling, Industrial energy use and energy conservation, Energy saving policies and activities in administration/industries, Resource recycling in industry, Energy saving activities in incinerating wastes, Energy saving technology for electric and energy use facilities, Session IV; Nitrogen oxides treatment technologies, Sulfur oxides treatment technologies, Experiment: Waste gas analysis, Dust collection technologies, Technology of Automobile exhaust gas treatment
- 3. QUALIFICATION OF APPLICANT** (1) national and local governmental officials, business executives or technical engineers with more than five '5' years of practical experience in the field of industrial policy planning, business management or pollution control technology (2) university graduates or those who have equivalent knowledge and/or professional experience (3) under forth-five '45' years of age
- 4. TRAINING INSTITUTIONS** (1) Chubu International Centre (CBIC), JICA (2) International Center for Environmental Technology Transfer (ICETT)
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for one week (25 hours).

SEMINAR ON POLICY IMPLEMENTATION AND ALTERNATIVE TECHNOLOGIES CONCERNING OZONE LAYER PROTECTION

Jan. 16, 2001 - Mar. 4, 2001, 18 participants

オゾン層保護対策・代替技術セミナー

J-00-00698

- 1. PURPOSE** The purposes of this seminar is to assist participating countries in implementing "Vienna Convention for the Protection of the Ozone Layer" and the "Montreal Protocol on Substances that Deplete the Ozone Layer" by providing the latest information on ozone layer depletion, the Montreal Protocol (including Amendments), and Japanese legislative and institutional arrangements.
- 2. MAIN FEATURES OF CURRICULUM** The curriculum consists of the following three parts. (1) lectures (a) overview of ozone layer science (b) environmental impact of increased UV-B radiation (c) outline of the Vienna Convention and the Montreal Protocol, and legislative and institutional arrangements in Japan (d) overview of technologies to reduce ozone layer depleting substances (e) state of development on alternative technologies to reduce consumption of ozone layer depleting substances (f) monitoring of ozone layer (2) field visit (3) presentation and discussions (a) presentation of Country Reports (b) group discussions on the promotion of ozone layer protection in the participating countries
- 3. QUALIFICATION OF APPLICANT** (1) senior staff members who are presently engaged in a government administrative organization and are in charge of ozone layer protection (2) university graduate or equivalent (3) from 30 to 45 years of age
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Ministry of International Trade and Industry (MITI) (3) Environment Agency (EA) (4) Japan Industrial Conference for Ozone Layer Protection (JICOP) (5) Japan Environmental Sanitation Center (JESC)
- 5. REMARKS** This seminar was reorganized in fiscal year of 2000 on review of the seminar on "Ozone Layer Protection and Applicable Technology" in fiscal year of 1997, which was jointly carried out with the seminar on "Measures to Reduce the Use of the Ozone Depleting Substances" started in 1990.

STATISTICAL COMPUTING FOR TRAINERS

Jan. 16, 2001 - Mar. 25, 2001, 20 participants

研修指導官のための電子統計計算

J-00-00697

- 1. PURPOSE** This course is designed for practicing statisticians who have some background in computing and or are likely to become involved in the training of others in the use of computer software packages for data processing. The course aims at increasing the participants' depth of knowledge in selected software packages, developing their presentation skills and producing course plans that they can use upon return to their respective countries.
- 2. MAIN FEATURES OF CURRICULUM** The curriculum consists of the following major subjects. (1) introduction to the various software packages available for different phases of data processing (2) principles involved in structuring courses in automatic data processing (3) general principles and techniques of training (4) use of specific software packages (presentation by participants)
- 3. QUALIFICATION OF APPLICANT** (1) middle level statisticians with some computing experience who are expected to be trainers in statistical computing (2) under 40 years of age (3) university graduates in statistics or equivalents
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Statistical Institute for Asia and the Pacific (SIAP)
- 5. REMARKS** This course is conducted according to the agreement between the Government of Japan and the United Nations, and organized mainly for ESCAP countries.

BIOPRODUCTION AND ENVIRONMENTAL MANAGEMENT IN SEMI-ENCLOSED SEA

Mar. 26, 2001 - Jul. 8, 2001, 8 participants

半閉鎖性水域における生物生産と環境保全

J-00-03345

- 1. PURPOSE** The purpose of this course is to acquire the methodology for controlling the natural environment and eco-system by producing the bio-organisms based on recognition of the instability of the eco-system in semi-enclosed sea. The participants will be expected to plan a suitable system for the production of marine bio-organisms which can be applicable to their respective country.
- 2. MAIN FEATURES OF CURRICULUM** It mainly covers: (1) the present condition of the Seto Inland Sea, especially in biomass, biological phase, eco-system, water quality and environmental condition (2) the theory and method of marine farm management while protecting environmental condition (3) the method of making up their own marine ranch program and environmental management for their countries.
- 3. QUALIFICATION OF APPLICANT** (1) be administrators or researchers who are presently engaged in either planning, management or research activity in the field of marine resource management in semi-enclosed sea, and have a will to work for marine environmental conservation (2) have a university degree or the equivalent, with more than (5) years of work experience in the field (3) have a sufficient command of written and read English as to be able to conduct training, TOEFL 550 or equivalent (4) be under forty (40) years old (5) be nominated by their government in accordance with the procedures (6) be in good health, both physically and mentally, to undergo the training (7) not be serving in the military. * Ph. D. degree holders are overqualified for this course.
- 4. TRAINING INSTITUTIONS** (1) Chugoku International Centre (CIC), JICA (2) Faculty of Applied Biological Science, Hiroshima University
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for one week (25 hours).

ANALYSIS AND INTERPRETATION OF STATISTICS

Oct. 10, 2000 - Dec. 17, 2000, 10 participants

統計の解析及び解釈

J-00-00567

- 1. PURPOSE** This course is designed for middle level statisticians engaging in data production, and in particular those who analyze, interpret and prepare statistical reports for policy makers, planners and other decision makers. The course aims at assisting countries in strengthening their statistical capabilities; specifically in analysis and interpretation of statistics including report writing and presentation techniques.
- 2. MAIN FEATURES OF CURRICULUM** Curriculum consists of the following subjects: (1) introduction to statistical analysis (2) methods of statistical analysis (3) demographic analysis (4) workshops/seminars (5) statistical computing (6) project work
- 3. QUALIFICATION OF APPLICANT** (1) have a basic knowledge of statistics (2) have a university degree in either statistics, mathematics, economics, sociology or have passed the six months General or Practical Statistics Course of SIAP or have similar training (3) have at least five years experience in population and related work or in the analysis of population and demographic topics; (4) over 30 and under 45 years of age (5) have sufficient knowledge of statistical computing (in particular, applicants should have basic knowledge of DOS, and have some experience with at least one word processing package, and preferably one tabulation and/or graphics package)
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) United Nations Statistical Institute for Asia and the Pacific (SIAP)
- 5. REMARKS** This course is conducted according to the agreement between the Government of Japan and the United Nations, and organized mainly for ESCAP countries.

MODULES ON CORE OFFICIAL STATISTICS

Apr. 4, 2000 - Sep. 24, 2000, 33 participants

統計モジュール

J-00-00645

- 1. PURPOSE** This course is focused on the training needs of official statisticians in government and is intended to contribute to the strengthening of national statistical offices of the developing countries in the ESCAP region.
- 2. MAIN FEATURES OF CURRICULUM** This course consists of common subjects for all participants (for first three months) and individual project work (for latter three months). The common subjects concentrate on the following methodological aspects of statistics: (1) data collection (2) summarization and presentation of data (3) interpretation, analysis and dissemination. For the project work, each participant is to choose one of the following topics, and write a report on it for presentation at a seminar. They should choose a topic which is related to official statistics of their country. (a) demographic analysis (b) economic statistics and applied analysis (c) national accounts (d) statistical methods and sampling
- 3. QUALIFICATION OF APPLICANT** (1) university graduates specialized in statistics, economics or sociology or equivalent (2) over 25 but under 35 years of age (3) have a sufficient knowledge of basic mathematics
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Statistical Institute for Asia and the Pacific (SIAP)
- 5. REMARKS** This course is conducted according to the agreement between the Government of Japan and the United Nations, and organized mainly for ESCAP countries.

**ELECTRONICS ENGINEERING
(COMPUTER INTERFACE)**

Nov. 6, 2000 - Feb. 14, 2001, 10 participants

エレクトロニクス技術(コンピュータ・インターフェース) J-00-00607

- 1. PURPOSE** This course is designed to provide technical knowledge and practical experience in interfacing technology of microcomputer and in assembly language software design.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on practical experience by participants. Topics are as follows (1) Lecture and Practical exercise a) windows operation b) soldeling and assembling c) assembly language d) car control e) C language f) HTML programming g) R & D topics (2) Company Visit (3) Study Tour.
- 3. QUALIFICATION OF APPLICANT** (1) able to operate Windows 95 of personal computers and Microsoft Office Software. (2) design or development engineers who have experienced more than three (3) years of developing and designing software or hardware for microcomputer. (3) have experience less than 1 year in developing programs by C-language. (4) have experienced in designing and developing digital circuits or print circuited board. belong to governmental organization. (5) over twenty-five (25) under thirty (30) years of age
- 4. TRAINING INSTITUTIONS** (1) Hokkaido International Centre, Sapporo (HICS), JICA (2) Sapporo Electronics Center
- 5. REMARKS**

**COMPUTER
(PC APPLICATION DESIGNER)**

Aug. 3, 2000 - Nov. 24, 2000, 12 participants

コンピュータ(PCアプリケーション設計者)

J-00-00566

- 1. PURPOSE** This course is designed to train the persons who are or will be able to design and develop small scale system using personal computer.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, computer exercise, hands-on exercise and workshops. The main themes are; (1) Data Communication System Introduction (2) LAN Design Introduction (3) CASE Introduction (4) Structured System Analysis (5) Structured System Design (6) Database System Design (7) PC Database Usage (8) ACCESS Usage (9) PC Networking Functions (10) Network Operating Systems Fundamentals (11) Aegorithmic Construction (12) Test Planning (13) PC OS Introduction (14) Project Management (15) PC System Development Workshop (16) Special Lecture, Advanced Computer Technology, etc.
- 3. QUALIFICATION OF APPLICANT** (1) university graduate or equivalent (2) have 0.5 to 2 years of experience in programming (3) be persons who will be engaged in developing system using personal computer network (4) be under thirty years old.
- 4. TRAINING INSTITUTIONS** (1) Okinawa International Centre (OIC), JICA (2) Nippon Telegraph & Telephone East Corporation (NTT) (3) Fujitsu Ltd.
- 5. REMARKS**

**COMPUTER
(PC SERVER SYSTEM DESIGNER (A))**

Apr. 13, 2000 - Aug. 30, 2000, 12 participants

コンピュータ(PCサーバシステム設計者(A))

J-00-00557

- 1. PURPOSE** This course is designed to train persons who are or will be designers and developers of client-server system using PC servers. The participants are expected to be able to use hardware and software for computer network, to design and develop high quality and large scale client-server system using C language or 4GL based on requirement, and to evaluate functions and quality of system.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, discussions, hands-on exercise, workshops and observation tours. Though lectures and exercises, participants will learn subjects such as system analysis/design, LAN design, system evaluation and programming. C language and 4GL will be used in programming subjects. Through system development workshop, participants will understand subjects deeply and acquire practical skills.
- 3. QUALIFICATION OF APPLICANT** Applicants should (1) be university graduates or equivalent (2) have one to two year experience in system development and more than two year experience in programming (3) be persons who will be engaged in developing system using personal computer network (4) be under thirty-five years old.
- 4. TRAINING INSTITUTIONS** (1) Okinawa International Centre (OIC), JICA (2) Nippon Telegraph & Telephone East Corporation (NTT) (3) Fujitsu Ltd.
- 5. REMARKS**

**COMPUTER
(PC SERVER SYSTEM DESIGNER (B))**

Nov. 2, 2000 - Mar. 24, 2001, 12 participants

コンピュータ(PCサーバシステム設計者(B)) J-00-00558

- 1. PURPOSE** This course is designed to train persons who are or will be designers and developers of client/server system using PC servers. The participants are expected to be able to use hardware and software for computer network, to design and develop high quality and large scale client/server system using C language or 4GL based on requirement, and to evaluate function and quality of system.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, discussions, hands-on exercise, workshops and observation tours. Through lectures and exercises, participants will learn subjects such as system analysis/design, LAN design, system evaluation and programming. C language and 4GL will be used in programming subjects. Through system development workshop, participants will understand subjects deeply and acquire practical skills.
- 3. QUALIFICATION OF APPLICANT** Applicants should (1) be university graduates or equivalent (2) have one to two years experience in system development and more than two years experience in programming (3) be person who will be engaged in developing system using personal computer network (4) be under thirty-five years old.
- 4. TRAINING INSTITUTIONS** (1) Okinawa International Centre (OIC), JICA (2) Nippon Telegraph & Telephone East Corporation (NTT) (3) Fujitsu Ltd.
- 5. REMARKS**

**COMPUTER
(UNIX SERVER SYSTEM DESIGNER (A))**

May 6, 2000 - Oct. 14, 2000, 12 participants

コンピュータ(UNIXサーバシステム設計者(A)) J-00-00560

- 1. PURPOSE** This course is designed to train persons who are or will be engaged in design and development of client-server system using UNIX servers.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, discussions, hands-on exercise, workshops and observation tours. The main themes are: (1) Data Communication System Introduction (2) LAN Design Introduction (3) WAN Design Introduction (4) CASE Introduction (5) Structured System Analysis (6) Structured System Design (7) System Performance Design (8) Client/Server (9) Distributed DB Introduction (10) UNIX Database System Usage (11) Database System Design (12) UNIX Database Operation and Administration (13) UNIX Shell-Programming (14) UNIX Client Application Programming (15) UNIX Database Definition (16) LAN System Workshop (17) Network Operating Systems Fundamentals (18) Network OS Mutual Connection (19) Internet Introduction (20) Test Planning (21) PC OS Introduction (22) UNIX Introduction (23) Project Management (24) System Development Workshop (25) Special Lecture (26) Advanced Computer Technology (27) Presentation Training (28) Group ware Introduction.
- 3. QUALIFICATION OF APPLICANT** (1) university graduate or equivalent (2) have one to two year's of experience in system development and more than two years of programming experience (3) nominated by their government to be in charge of system development under UNIX environment (4) under 35 years of age.
- 4. TRAINING INSTITUTIONS** (1) Okinawa International Centre (OIC), JICA (2) Nippon Telegraph & Telephone East Corporation (NTT) (3) Fujitsu Ltd.
- 5. REMARKS**

**COMPUTER
(UNIX SERVER SYSTEM DESIGNER (B))**

Oct. 5, 2000 - Mar. 25, 2001, 12 participants

コンピュータ(UNIXサーバシステム設計者(B)) J-00-00561

- 1. PURPOSE** This course is designed to train persons who are or will be engaged in design and development of client-server System using UNIX servers.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, discussions, hands-on exercise, workshops and observation tours. The main themes are: (1) Data Communication System Introduction (2) LAN Design Introduction (3) WAN Design Introduction (4) CASE Introduction (5) Structured System Analysis (6) Structured System Design (7) System Performance Design (8) Client/Server (9) Distributed DB Introduction (10) UNIX Database System Usage (11) Database System Design (12) UNIX Database Operation and Administration (13) UNIX Shell-Programming (14) UNIX Client Application Programming (15) UNIX Database Definition (16) LAN System Workshop (17) Network Operating Systems Fundamentals (18) Network OS Mutual Connection (19) Internet Introduction (20) Test Planning (21) PC OS Introduction (22) UNIX Introduction (23) Project Management (24) System Development Workshop (25) Special Lecture (26) Advanced Computer Technology (27) Presentation Training (28) Group ware Introduction.
- 3. QUALIFICATION OF APPLICANT** (1) university graduate or equivalent (2) have one to two years of experience in system development and more than two years programming experience (3) nominated by their government to be in charge of system development under UNIX environment (4) under 35 years of age.
- 4. TRAINING INSTITUTIONS** (1) Okinawa International Centre (OIC), JICA (2) Nippon Telegraph & Telephone East Corporation (NTT) (3) Fujitsu Ltd.
- 5. REMARKS**

**COMPUTER
(ONLINE DATABASE SYSTEM DESIGNER)**

May 6, 2000 - Oct. 4, 2000, 12 participants

コンピュータ(オンラインデータベースシステム設計者) J-00-00559

- 1. PURPOSE** This course is designed to train the personnel who is in charge of online database system development which requires realtime processing and high reliability based on UNIX server.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, computer exercise, hands-on exercise and workshops. The main themes are: (1) CASB Introduction (2) Structured System Analysis (3) Structured System Design (4) Data Communication System Introduction (5) LAN Design Introduction (6) WAN Design Introduction (7) System Response Time Calculation (8) Client/Server System Design (9) Distributed DB Introduction (10) UNIX Database System Usage (11) Database System Design (12) UNIX Database Operation and Administration (13) UNIX Networking Functions (14) UNIX Database Tuning (15) Online Transaction Processing Introduction (16) C Programming (17) UNIX Shell-programming (18) UNIX Client Application Programming (19) UNIX Database Definition (20) UNIX Server Database Programming (21) Test Planning (22) Project Management (23) System Development Workshop (24) Special Lecture, Advanced Computer Technology, etc.
- 3. QUALIFICATION OF APPLICANT** (1) university graduate or equivalent (2) have 1 to 3 year experience in system development and more than 3 year experience in programming (3) have experience in developing UNIX system (4) be going to be engaged in realtime system development based on UNIX (5) be under thirty-five years old.
- 4. TRAINING INSTITUTIONS** (1) Okinawa International Centre (OIC), JICA (2) Nippon Telegraph & Telephone East Corporation (NTT) (3) Fujitsu Ltd.
- 5. REMARKS**

COMPUTER (SYSTEM ANALYST (A))

Apr. 13, 2000 - Jul. 30, 2000, 12 participants

コンピュータ(システムアナリスト(A))

J-00-00562

1. **PURPOSE** This course is designed to train persons who are presently or will be system analysts in charge of planning, analyzing, designing and evaluating information system.
2. **MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, computer exercise, hand-on exercise and workshops. The main themes are: (1) Business Analysis (2) Data Communication System Introduction (3) LAN Design Introduction (4) WAN Design Introduction (5) GUI Builder (6) Application Programme Design (7) Client/Server System Design (8) CASE Introduction (9) Structured System Analysis (10) Structured System Design (11) Database System Design (12) Reliability Design (13) Performance Design (14) Test Planning (15) Project Management (16) System Audit (17) Case Study (18) Project Management Simulation (19) Special Lecture (20) Advanced Computer Technology (21) Presentation Training (22) Group Ware Introduction.
3. **QUALIFICATION OF APPLICANT** (1) university graduate or equivalent (2) have 3 to 7 year's of experience in system development and programming (3) have no or less than two (2) years of experience as a system analyst (4) under 35 years of age.
4. **TRAINING INSTITUTIONS** (1) Okinawa International Centre (OIC), JICA (2) Nippon Telegraph & Telephone East Corporation (NTT) (3) Fujitsu Ltd.
5. **REMARKS**

COMPUTER (SYSTEM ANALYST (B))

Nov. 23, 2000 - Mar. 17, 2001, 12 participants

コンピュータ(システムアナリスト(B))

J-00-00563

1. **PURPOSE** This course is designed to train persons who are presently or will be system analysts in charge of planning, analyzing, designing and evaluating information system.
2. **MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, computer exercise, hands-on exercise and workshops. The main themes are: (1) Business Analysis, (2) Data Communication System Introduction (3) LAN Design Introduction (4) WAN Design Introduction (5) GUI Builder (6) Application Programme Design (7) Client/Server System Design (8) CASE Introduction (9) Structured System Analysis (10) Structured System Design (11) Database System Design (12) Reliability Design (13) Performance Design (14) Test Planning (15) Project Management (16) System Audit (17) CASE Study (18) Project Management Simulation (19) Special Lecture (20) Advanced Computer Technology (21) Presentation Training (22) Group Ware Introduction.
3. **QUALIFICATION OF APPLICANT** (1) university graduate or equivalent (2) have 3 to 7 years of experience in system development and programming (3) have less than 2 years of experience or will be in charge of system analysis (4) under 35 years of age.
4. **TRAINING INSTITUTIONS** (1) Okinawa International Centre (OIC), JICA (2) Nippon Telegraph & Telephone East Corporation (NTT) (3) Fujitsu Ltd.
5. **REMARKS**

COMPUTER (NETWORK ENGINEER (A))

May 18, 2000 - Sep. 22, 2000, 12 participants

コンピュータ(ネットワーク技術者(A))

J-00-00564

1. **PURPOSE** This course is designed to train the persons who are or will be the network engineer in charge of designing, installing and operating network including LAN and WAN which are indispensable for information processing system.
2. **MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, computer exercise, hands-on exercise and workshops. The main themes are; (1) Data Communication System Introduction (2) LAN Design Introduction (3) WAN Design Introduction (4) Client/Server System Design (5) Reliability Design (6) System Response Time Calculation (7) UNIX Networking Functions (8) PC Networking Functions (9) Network Operating System Fundamentals (10) Network OS Interconnection (11) Internet Introduction (12) Test Planning (13) PC OS Introduction (14) UNIX Introduction (15) Network Management (16) LAN Analyzing Usage (17) Communication Network Design Using Simulation (18) Special Lecture Advanced Computer Technology, etc.
3. **QUALIFICATION OF APPLICANT** (1) university graduate or equivalent (2) have 1 to 2 year experience in system development and maintenance (3) have less than 3 year experience or will be in charge of designing, installing, and maintaining of network (4) be under thirty-five years old.
4. **TRAINING INSTITUTIONS** (1) Okinawa International Centre (OIC), JICA (2) Nippon Telegraph & Telephone East Corporation (NTT) (3) Fujitsu Ltd.
5. **REMARKS**

COMPUTER (NETWORK ENGINEER (B))

Oct. 19, 2000 - Mar. 4, 2001, 12 participants

コンピュータ(ネットワーク技術者(B))

J-00-00565

1. **PURPOSE** This course is designed to train the persons who are or will be the network engineer in charge of designing, installing and operating network including LAN and WAN which are indispensable for information processing system.
2. **MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, computer exercise, hands-on exercise and workshops. The main themes are; (1) Data Communication System Introduction (2) LAN Design Introduction (3) WAN Design Introduction (4) Client/Server System Design (5) Reliability Design (6) System Response Time Calculation (7) UNIX Networking Functions (8) PC Networking Functions (9) Network Operating System Fundamentals (10) Network OS Interconnection (11) Internet Introduction (12) Test Planning (13) PC OS Introduction (14) UNIX Introduction (15) Network Management (16) LAN Analyzing Usage (17) Communication Network Design Using Simulation (18) Special Lecture Advanced Computer Technology, etc.
3. **QUALIFICATION OF APPLICANT** (1) university graduate or equivalent (2) have 1 to 2 years of experience in system development and maintenance (3) have less than 3 years of experience or will be in charge of designing, installing, and maintaining of network (4) be under thirty-five years old.
4. **TRAINING INSTITUTIONS** (1) Okinawa International Centre (OIC), JICA (2) Nippon Telegraph & Telephone East Corporation (NTT) (3) Fujitsu Ltd.
5. **REMARKS**

COMPUTER (INSTRUCTOR)

Oct. 5, 2000 - Mar. 29, 2001, 12 participants

コンピュータ(情報処理技術インストラクタ)

J-00-00556

- PURPOSE** This course is designed to train persons who are or will be instructor in charge of training information processing personnel. The participants are expected to be able to design and develop system for personal computer, to instruct for information processing programme, and to plan for information processing course and develop subject materials.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, discussions, hands-on exercise, workshops and observation tours. Regarding instruction techniques, participants will learn subjects such as curriculum/design on courses, subject material development and presentation through lectures and exercises. Regarding system development, participants will learn basic skills for system development such as system design, programming, and system evaluation through lectures and exercises.
- QUALIFICATION OF APPLICANT** Applicants should (1) be university graduates or equivalent (2) have one to three years of experience in system development and more than one year experience in programming (3) be person who will be an instructor (4) be under thirty-five years old.
- TRAINING INSTITUTIONS** (1) Okinawa International Centre (OIC), JICA (2) Nippon Telegraph & Telephone East Corporation (NTT) (3) Fujitsu Ltd.
- REMARKS**

COMPUTER (DP DIVISION MANAGER)

Aug. 24, 2000 - Nov. 10, 2000, 12 participants

コンピュータ(情報処理部門管理者)

J-00-00555

- PURPOSE** This course is designed to train persons who are presently managers under one year experience in the information processing division or who are appointed to the manager of the information processing division. This course provides the skills necessary for information processing system planning and its operation, and management of information processing division.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, discussions, hands-on exercises and observation tours. The main themes are: (1) Business analysis (2) DSS (Decision Support System) (3) Client/Server System Design (4) Test Planning (5) Project Management (6) DP Division Management (7) System Audit (8) CASE Study (9) Project Management Simulation (10) Advanced Computer Technology (11) Special Lecture.
- QUALIFICATION OF APPLICANT** (1) person with over three years experience in information processing system development and/or maintenance (2) presently a manager and have less than one year experience of data processing division management or personnel who are appointed to the manager of information processing division (3) university graduate or equivalent (4) 30-45 years of age
- TRAINING INSTITUTIONS** (1) Okinawa International Centre (OIC), JICA (2) Nippon Telegraph & Telephone East Corporation (NTT) (3) Fujitsu Ltd.
- REMARKS**

INFORMATION SYSTEMS PROMOTING COURSE

Oct. 2, 2000 - Nov. 29, 2000, 9 participants

情報化推進

J-00-00680

- PURPOSE** Even though it may be desirable to automate office work through the use of computers and other equipment, a computer system alone will not provide excellent results if the present methods of conducting business transactions do not change. That is why this course seeks to deepen an understanding of new office work systems by re-evaluating present systems and planning methods before proceeding to the use of computers and automation. At the same time, the course will be interwoven with lectures, practice, and field trips dealing with the new way of thinking and advancing the use of computers in office automation. This course will foster capable staff in the counterpart organization at the JICA's overseas offices, with leadership qualities who will be able to reform and promote operations in their own countries.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on report presentation and discussions by participants, introduction of Japanese experience and basic theories of office automation. The main themes are: (1) concept and procedures for promotion of office automation in Japanese administration (2) how to advance record management (3) how to advance business system design (4) how to advance system planning (5) how to advance on-line system design (6) design and actual situation of data base systems (7) office LAN (office communication) (8) how to advance project management (9) end user computing (10) system inspection and security (11) case studies (company visits) (12) panel discussion (human resource development in promotion of office automation)
- QUALIFICATION OF APPLICANT** (1) university graduates or equivalent (2) employed by a JICA counterpart institution of their country as a project leader in office automation promotion, that is, as an employee engaged in the improvement of work procedures across a range of operational areas and the development of new procedural systems and structures through the effective use of office automation and information systems. Exceptions: (a) not be administrators in computer (information system) departments, specializing in operations associated with computers, SE's (system engineers), or programmers (b) not necessary to be administrators with deep technical knowledge - but advisable to possess at least basic knowledge of personal computer know-how to operate "Database Management System" and "Spreadsheet" software (3) under 45 years of age
- TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Kansai Institute of Information Systems
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for one week.

WATERWORKS ENGINEERING TRAINING FOR COLD REGIONS

Oct. 2, 2000 - Dec. 3, 2000, 6 participants

寒冷地水道技術者養成

J-00-03468

- PURPOSE** Focused on the technical problems of waterworks caused by climatic characteristics in cold regions, this course is designed to train technicians by providing basic knowledge and comprehensive techniques of water-supply system, integrated planning and designing methods of waterworks, and techniques for operation/maintenance of waterworks facilities.
- MAIN FEATURES OF CURRICULUM** This course mainly deals with: (1) water leakage prevention (2) water quality control (3) water treatment facilities (4) water distribution planning and pipe network (5) design and construction management (6) water service installations
- QUALIFICATION OF APPLICANT** (1) senior technical official in charge of waterworks in central or local government, or in public bodies with more than three years of practical experience (2) university graduate or equivalent (3) under 40 years of age
- TRAINING INSTITUTIONS** (1) Hokkaido International Centre, Sapporo (HICS), JICA (2) Waterworks Bureau, City of Sapporo
- REMARKS**