

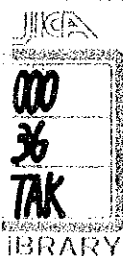
No.

OUTLINE OF THE TRAINING COURSES SPECIALLY OFFERED IN FISCAL 1994 IN JAPAN

COURSES STARTING BETWEEN APRIL 1994 AND MARCH 1995

(平成6年度 特設コース コース概要)

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)



TAK

JR

94-002



NOTE

This catalog gives the outline (not all detailed explanation) of each of the training courses specially offered in fiscal 1994 in Japan by JICA.

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 ODA LOANS

Oct. 4, '94 - Nov. 3, '94, 22 participants

ODAローンセミナー

J-94-03124

- PURPOSE** This seminar is designed: (1) to facilitate smooth and effective implementation of OECF loans, by enhancing participants' understanding of its system and procedures through lectures and discussions. (2) to exchange views on operation of OECF loans among participants and the officials of the OECF.
- MAIN FEATURES OF CURRICULUM** The curriculum is made up of the following two parts. (1) "International Symposium on Economic Cooperation on the occasion of International Cooperation Day" (2) seminar on the OECF loans. The following major subjects will be covered: (a) roles and activities of OECF in Japan's economic cooperation (b) types of OECF loans (c) OECF project cycle (d) loans to and equity investments in Japanese corporations (e) presentation and discussion of Country Report prepared by participants
- QUALIFICATION OF APPLICANT** (1) senior officer of a competent government office in charge of matters directly related to overall administration of OECF loans (2) have work experience of at least two 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
- TRAINING INSTITUTIONS** (1) Institute for International Cooperation (IFIC), JICA (2) Overseas Economic Cooperation Fund (OECF)

SEMINAR ON INTRODUCTION TO JAPAN'S INTERNATIONAL COOPERATION ACTIVITIES

June 21, '94 - July 10, '94, 10 participants

国際協力事業紹介セミナー

J-94-03182

- PURPOSE** This Seminar is designed: (1) to familiarize participants with the policy and programmes of Japan's international cooperation; (2) to familiarize participants with the concept, mechanism, and procedures of programmes of Japan International Cooperation Agency; (3) to exchange views on operation of international cooperation with Japan among participants and JICA staff members; and (4) to expose participants with Japan and the Japanese to develop friendship and mutual understandings.
- MAIN FEATURES OF CURRICULUM** The following topics will be covered in the seminar, (1) general introduction to Japan and the Japanese. (2) general introduction to Japan's international cooperation. (a) Ministry of Foreign Affairs and Japan's policy (b) JICA and her role (c) Overseas Economic Cooperation Fund (OECF) and her role (d) other agencies (e) country-wise/region-wise approach by JICA (f) future of JICA's international cooperation programmes with developing countries (3) JICA's programmes and their procedures. (a) introduction (b) case study on some project-type technical cooperation projects (c) observation of affiliated organs of JICA including JOCV secretariat and its Training Institute (4) discussion for better cooperation implementation
- QUALIFICATION OF APPLICANT** (1) official in the rank of director of the division in charge of the International Cooperation Programme at the Central Government
- TRAINING INSTITUTIONS** (1) Institute for International Cooperation (IFIC), JICA

ECONOMIC DEVELOPMENT SEMINAR FOCUSING ON WOMEN

Nov. 1, '94 - Nov. 26, '94, 8 participants

女性に視点を当てた経済開発セミナー

J-94-03228

- PURPOSE** This seminar is designed to introduce Japan's experiences of economic development policies through lectures, report presentations, discussions and field trip. It also aims to upgrade participants' knowledge on each country's economic development planning, especially focusing on women's roles in promoting their social status and welfare.
- MAIN FEATURES OF CURRICULUM** The following subjects will be covered in the seminar: (1) lecture-cum-discussion to Japan's economic development backgrounds and the meaning of Japan's policy of economic development, (2) study visits to women's organizations, (3) Country report presentation and discussion: presentation of historical backgrounds and present conditions of economic development in respective countries, focusing on women's role and status in each nation
- QUALIFICATION OF APPLICANT** (1) central government planner engaged in economic development planning and have at least 5 years' occupational experience in this field, (2) have an academic background in economics or those having a proper experience and knowledge on economic policy and planning, (3) between 30 and 40 years of age, (4) have sufficient command of written and spoken French.
- TRAINING INSTITUTIONS** (1) Economic Planning Agency (EPA), (2) Institute for International Cooperation (IFIC), JICA.
- REMARKS** This course will be conducted in French.

GENERAL MANAGEMENT SEMINAR FOR REGIONAL DEVELOPMENT AND PLANNING

Sept. 20, '94 - Nov. 13, '94, 7 participants

地域開発計画管理セミナー

J-94-03153

- PURPOSE** The training will be conducted by effective combination of case studies, lectures, field on-the-spot surveys aimed at acquisition of the control techniques including planning of national development in the developing countries, administrative affairs called for in carrying out the plans, as well as the planning and implementation procedures involved in the development of Hokkaido.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, case studies, field on-the-spot surveys. The main themes are: (1) the way to plan and manage regional development policy through studying several project in Hokkaido (2) the various method of planning and promoting local-level projects (3) the basic knowledge of close relation between development planning and environment problems (4) the basic policy and systems for regional development in Hokkaido
- QUALIFICATION OF APPLICANT** (1) engaged in the planning or implementation of national or regional development projects and policy (2) university graduate or equivalent (3) over 25 and under 40 years of age
- TRAINING INSTITUTIONS** (1) Hokkaido Branch Office, JICA (2) Hokkaido Development Agency

ADVANCED COURSE FOR SENIOR POLICE ADMINISTRATORS

May 10, '94 - Aug. 5, '94, 14 participants

上級警察幹部研修

J-94-03118

- PURPOSE** This course is not a technical course for specific knowledge or skill in police service. Its purpose is rather to provide participants who are expected to be top leaders of respective countries' police authorities with opportunities for study of overall aspects on Japanese police service such as police organization and management, police activities and various investigative techniques, and for discussion of issues on respective countries' police affairs, thus to contribute to the further improvement of each country's police service and development of society.
- MAIN FEATURES OF CURRICULUM** This course is designed to cover the following themes (1) Japanese police and current situation of participating countries' police activities: (a) organization, authority of police of Japan and presentation of papers prepared in advance by participant (2) overall aspects of police service (a) community policing (b) criminal investigation, identification (c) administration of the police organization (d) crisis management (3) problems and cue for the solutions (a) report making and presentation (participants are expected to select appropriate topic for the research paper individually) (4) international solidarity and cooperation (a) field observation of prefectural police
- QUALIFICATION OF APPLICANT** (1) assistant director of division in the central police organization, or in an equivalent position, who is expected to be one of the top leaders in the central police organization in the future (approximately from Police Inspector to Superintendent at present) (2) aged between 27 and 40 years (3) have never been trained in Japan under the JICA technical cooperation scheme
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) International Research and Training Institute for Criminal Investigation (IRTICI), National Police Academy (3) Education and Training Division, Police Administration Bureau, National Police Agency (NPA)
- REMARKS** (1) This course is organized for Asian Pacific regions and Oceanian countries. (2) A compulsory intensive Japanese language course will be conducted prior to the main training for two weeks.

LOCAL GOVERNMENT ADMINISTRATION AND PUBLIC SERVICES

Apr. 11, '94 - July 17, '94, 9 participants

地方自治体行政実務

J-94-03192

- PURPOSE** To introduce the general framework of Japanese local governments and public services to civil workers of medium-scale local governments in developing countries, and to provide them with practical training in tax system, educational administration, public welfare, health, medical care, environmental sanitation, etc. as well as in techniques for local revitalization and programs for maintenance of local cities.
- MAIN FEATURES OF CURRICULUM** In this course, the following topics will be covered by lectures and study tours: (1) systems of local civil services and administration (2) 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 (4) services for citizens (e. g. services at the window)
- QUALIFICATION OF APPLICANT** (1) college graduate or equivalent (2) three or more years of experience in leadership or management positions (i. e. chiefs or managers) at local government (3) 45 years old or older
- TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Ibaraki City Hall
- REMARKS** (1) A compulsory intensive Japanese language course will be conducted prior to the technical training for two weeks.

SEMINAR ON CRIMINAL IDENTIFICATION

Jan. 16, '95 - Feb. 12, '95, 7 participants

国際鑑識セミナー

J-94-03222

- PURPOSE** This seminar aims at fostering personnel with scientific criminal identification techniques through introduction of Japanese scientific criminal identification systems such as automatic fingerprint identification system and practice in fingerprinting.
- 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) practice in fingerprinting etc.
- QUALIFICATION OF APPLICANT** (1) person in charge of criminal identification in central police organization (2) person having experience of more than 5 years in the field, (3) over 35 and under 50 years of age, (4) university or college graduate, or the equivalent.
- TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA, (2) Identification Division, National Police Agency (3) International Research and Training Institute

SEMINAR ON GOVERNMENT HUMAN RESOURCE MANAGEMENT

Sept. 11, '94 - Oct. 1, '94, 10 participants

上級人事管理セミナー

J-94-03134

- 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.
- MAIN FEATURES OF CURRICULUM** The following topics will be covered in the seminar. (1) theory of human resource management (a) introduction to civil service system in Japan (b) role of human resource management in Japan (2) practice of human resource management (a) actual practice (working incentives, career development, current problems, characteristics of bureaucracy in Japan) (b) human resource management in private companies
- 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)
- TRAINING INSTITUTIONS** (1) Institute for International Cooperation (IFIC), JICA (2) Japan Association for Civil Service Training and Development

ASOSAI WORKSHOP

Jul. 4, '94 - Jul. 17, '94, 19 participants

ASOSAIワークショップ

J-94-03224

- 1. PURPOSE** The purpose of the workshop is as follows: (1) to provide forum for seeking strategies and methodologies on the following themes and sub-themes: (a) theme: the role of SAI (Supreme Audit Institution) in promoting effective accounting and adequate internal control system in government, (b) sub-theme 1: audit mandate, strategies and methodologies in improving accounting and internal control system in government, (c) sub-theme 2: audit of government financial statements and reports, (d) sub-theme 3: resource consideration of SAI for ensuring effective accounting and adequate internal control system, (2) to introduce theories and experiences of the Board of Audit of Japan, and (3) to prepare the draft recommendation to be adopted in the 6th ASOSAI Assembly in India in November 1994.
- 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** be senior official of the Supreme Audit Institution of ASOSAI member country with sufficient knowledge and audit experience on all or one of the sub-themes of the workshop.
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Board of Audit of Japan

PUBLIC MANAGEMENT

Feb. 14, '95 - Mar. 15, '95, 5 participants

行政管理

J-94-03227

- 1. PURPOSE** (1) to introduce Japan's experiences of public management, comprehensive coordination for policies to the participants, and (2) to assist them in considering ways for better public management through lectures, report-presentations, discussions and field trips.
- 2. MAIN FEATURES OF CURRICULUM** This seminar is programmed for participants to increase knowledge on public management. Subjects of lectures are as follows: (1) administrative organization (2) civil service system (3) national finance system (4) policy formation, implementation, evaluation (5) administrative reformation
- 3. QUALIFICATION OF APPLICANT** (1) administrative official having more than 7 years' occupational experience in the field of public management, (2) university graduate or equivalent, (3) between 25 and 40 years of age
- 4. TRAINING INSTITUTIONS** (1) Management and Coordination Agency, (2) Institute for International Cooperation (IFIC), JICA

SEMINAR ON INDUSTRY AND TRADE POLICIES OF JAPAN

May 17, '94 - July 1, '94, 13 participants

通商産業政策セミナー

J-94-03175

- 1. PURPOSE** The purpose of the Seminar is to introduce to the participants (1) Japan's experience in economic development, and (2) Japan's industrial and trade-related policies and the roles they have played. It is hoped that the insights thus gained will help them in working out policies for their own countries.
- 2. MAIN FEATURES OF CURRICULUM** The following major subjects will be covered in the Seminar: (1) lecture-cum-discussion (a) overall review of Japan's experience (b) strategies of industry and trade policies of Japan (c) specific policy measures of Japan: e. g. (i) finance (ii) taxation (iii) R & D technology (iv) industrial location (v) environmental issues (vi) small and medium-scale industries (2) study visits (3) field trip (4) presentation of and discussion on Country Report (5) Final Report writing, presentation and discussion
- 3. QUALIFICATION OF APPLICANT** (1) government officials in charge of industrial policy or international trade policy (2) have more than eight-year experience in this field (3) have no previous experience in studying Japan in Japan (4) university graduate or equivalent (5) between 30 and 45 years of age
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) International Development Center of Japan (IDCJ)
- 5. REMARKS** Participants should write Final Reports, which will highlight the crucial policy issues in industrial development of their own countries.

SEMINAR ON TRANSITION TO A MARKET ECONOMY

May 31, '94 - June 24, '94, 5 participants

市場経済化促進セミナー

J-94-03183

- 1. PURPOSE** (1) to introduce Japan's experiences of economic development policies to the participants, and (2) to identify the appropriate models of economic transition for the respective countries through lectures, report-presentations, discussions and field trips.
- 2. MAIN FEATURES OF CURRICULUM** This seminar is programmed for participants to increase knowledge on various patterns of economic development and policies in the transition processes. Subjects of lectures are as follows: (1) industrial policy (2) monetary policy (3) human resource development (4) industrial relations and labour practices in Japan, etc.
- 3. QUALIFICATION OF APPLICANT** (1) those who have an academic background in economics or those having a proper experiences in and knowledge on economic policy and planning (2) between 30 and 40 years of age
- 4. TRAINING INSTITUTIONS** (1) Institute for International Cooperation (IFIC), JICA (2) Economic Planning Agency (EPA)
- 5. REMARKS** Countries allocated to this seminar are limited.

**ANTI-MONOPOLY ACT AND
COMPETITION POLICY**

Oct. 26, '94 - Nov. 6, '94, 5 participants

独占禁止法と競争政策

J-94-03230

- 1. PURPOSE** This course is intended for leading members of the authorities of anti-monopoly act in developing countries. The participants of this course will learn about Japan's anti-monopoly act and its implementation with the aim of establishing or revising competition act 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) the comparative study based on Japanese case studies and country presentation.
- 3. QUALIFICATION OF APPLICANT** (1) administrators of the authorities of anti-monopoly act or the authorities drafting competition act, and, (2) have more than 2 year occupational experience in the field.
- 4. TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA, (2) Fair Trade Commission.

FINANCIAL INDUSTRY INFORMATION SYSTEM

Feb. 2, '95 - Feb. 15, '95, 7 participants

金融情報システム

J-94-03204

- 1. PURPOSE** In accordance with the rapid economic growth and development shown in the East and South Asia region, it is required to establish functional financial industry information systems which work for financial adjustment and coordination among financial bodies. This course aims at providing the participants with the knowledge and techniques to ensure financial liability and safety.
- 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) Japan's current monetary policy, (2) history of fiscal and monetary policy, (3) Japan's trend of financial information systems, (4) countermeasures to secure safety in financing, (5) supervision and auditing for financial systems, (6) current issues on financial affairs.
- 3. QUALIFICATION OF APPLICANT** (1) central government bank officials in charge of planning and/or development of financial information system with more than ten years of professional experience in the said field, (2) under 45 years of age, (3) holder of B. A. in economics, public administration or commerce.
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA, (2) Banking Bureau, Ministry of Finance, (3) The Center for Financial Industry Information Systems (Japan).

**INDUSTRIAL ENERGY USE AND
EXHAUST GAS TREATMENT TECHNOLOGY**

May 9, '94 - June 22, '94, 8 participants

産業プロセス排ガス処理及び熱利用技術 J-94-03129

- 1. PURPOSE** (1) teach current theories, and introduce information and technologies concerning industrial exhaust gas treatment and industrial energy utilization, (2) enhance abilities to plan, execute and evaluate projects concerned, (3) acquire methods for solving the problems of control and treatment of industrial exhaust gas, and (4) provide participants with opportunities to exchange information about how to deal with problems concerning industrial energy use and exhaust gas treatment technologies.
- 2. MAIN FEATURES OF CURRICULUM** This course will be conducted in the form of lecture/discussion, practice and observations of the organizations concerned. The main themes are: (1) general knowledge of historical background and present status of Yokkaichi city (2) history of environmental pollution in Yokkaichi and measures taken by government and industries (3) present status of environmental assessment and cooperation between administration and industry (4) information on the current trend in basic and advanced techniques and case study in operation control and exhaust gas treatment, and energy and resource saving and industrial waste treatment (5) exercise for measuring and monitoring of environmental pollution
- 3. QUALIFICATION OF APPLICANT** (1) university graduate or equivalent with more than three years of occupational experience in this field (2) presently engaged in this field at industries, research institutes or vocational institutes (3) between 26 and 40 years of age
- 4. TRAINING INSTITUTIONS** (1) Nagoya International Training Centre (NITC), JICA (2) International Center for Environmental Technology Transfer (ICETT)

SAVING AND RE-USING INDUSTRIAL WATER

廃水の再生利用

- 1. PURPOSE** Along with economic development, especially in the industrial sector, the emphasis should be placed upon saving water resources and prevention of water pollution. Thereby, the course aims at introducing the participants the effective countermeasures and new technology useful for the waste water management.
- 2. MAIN FEATURES OF CURRICULUM** The course covers following subjects; (1) outline of Japan's waste water management (2) laws and regulations concerning environmental protection (3) technology on water treatment and re-use, desalination, purification, building drainage sewage treatment (4) visits to research laboratories related plants and facilities for water treatment
- 3. QUALIFICATION OF APPLICANT** (1) university graduate majoring engineering, or equivalent (2) have more than five year practical experience in the waste water management (3) engaged in government office or public corporation (4) between 30 and 50 years of age
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Center (TIC), JICA (2) Water Re-Use Promotion Center (3) Ministry of International Trade and Industry
- 5. REMARKS** This course is offered alternately with the course "Industrial Solid Waste Recycling Technology". This year (in Japanese fiscal 1994) this course will not be offered.

INDUSTRIAL SOLID WASTE RECYCLING TECHNOLOGY

Jan. 19, '95 - Mar. 5, '95, 5 participants

産業廃棄物の再資源化

J-94-03121

- 1. PURPOSE** Along with economic development, especially in the industrial sector, the emphasis should be placed upon saving energy, preserving natural resources, and protecting the environment. Thereby, the course aims at introducing to the participants, effective countermeasures and new technology useful for industrial solid waste management.
- 2. MAIN FEATURES OF CURRICULUM** The course covers the following subjects: (1) Lectures on the outline of Japan's industrial solid waste control and its law and regulations concerning environmental protection, (2) case studies on the technology for recycling (e.g. crushing, incineration, landfill, detoxification, segregation, dehydration, etc.) (3) visits to research laboratories and related plants for solid waste treatment.
- 3. QUALIFICATION OF APPLICANT** (1) university graduate majoring in engineering or equivalent, (2) have more than 5 years of practical experience in industrial solid waste management, (3) be engaged in government office or public cooperation as technical officials, (4) be between 30 and 45 years of age
- 4. TRAINING INSTITUTIONS** (1) Ministry of International Trade and Industry (MITI), (2) Tokyo International Centre (TIC), JICA, (3) Clean Japan Center
- 5. REMARKS** This course is offered alternately with the course "Saving and Re-Using Industrial Water" every other year. This year (in Japanese fiscal 1994) this course will be offered.

SEMINAR ON PROMOTION OF OZONE LAYER PROTECTION IN ASIAN COUNTRIES

Nov. 28, '94 - Dec. 10, '94, 10 participants

オゾン層保護対策セミナー

J-94-03125

- 1. PURPOSE** The purposes of this seminar are to assist Asian developing countries in: (1) participating in the "Montreal Protocol on Substances that deplete the Ozone Layer"; and (2) complying with the Protocol 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 35 to 50 years of age
- 4. TRAINING INSTITUTIONS** (1) Institute for International Cooperation (IFIC), JICA (2) Japan Environmental Sanitation Center

SEMINAR TO COPE WITH GLOBAL WARMING IN ASIA PACIFIC REGION

Dec. 1, '94 - Dec. 14, '94, 10 participants

地球温暖化対策セミナー

J-94-03147

- 1. PURPOSE** The purpose of this seminar is to assist developing countries in Asia and the Pacific in: (1) participating in the "Framework Convention on Climate Change" and, (2) preparing for the implementation of the Framework Convention by providing the latest information on global warming, the Framework Convention of Climate Change, and Japanese legislative and institutional arrangements.
- 2. MAIN FEATURES OF CURRICULUM** The curriculum consists of the following three parts. (1) lectures (a) overview of scientific information on global warming including its mechanism and impacts (b) outline of the Framework Convention on Climate Change (c) methodologies to develop inventories of GHG sources and sinks (d) outline of legislative and institutional system to comply with the Convention, with the example of Japanese case (e) overview of technologies and countermeasures to limit GHG emissions (f) forest conservation as countermeasures to protect and enhance GHG sinks (2) field trip and study visit (3) presentation and discussions (a) presentation of Country Reports (b) group discussions on the promotion of countermeasures against global warming in the participating countries
- 3. QUALIFICATION OF APPLICANT** (1) senior officers who are presently working in a government administrative organization and are in charge of global warming issue. (2) university graduate or equivalent (3) more than 35 years of age
- 4. TRAINING INSTITUTIONS** (1) Institute for International Cooperation (IFIC), JICA (2) Japan Meteorological Association

MANAGEMENT OF INDUSTRIAL EFFLUENT AND WASTE

Jan. 24, '95 - Mar. 9, '95, 8 participants

産業系廃水及び産業廃棄物処理対策

J-94-03188

- 1. PURPOSE** The course is designed to contribute 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 possess 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) Nagoya International Training Centre (NITC), JICA (2) International Center for Environmental Technology Transfer (ICETT)

WETLAND CONSERVATION AND PROTECTION OF MIGRATORY BIRDS

Sept. 27, '94 - Oct. 30, '94, 5 participants

湿地及び渡り鳥保全

J-94-03231

- PURPOSE** The purpose of the course is to enhance professional knowledge and techniques required for middle-class government technical officials in developing countries of South East Asia, who are in charge of the conservation of wetlands, especially protection of migratory birds. 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 migratory birds.
- MAIN FEATURES OF CURRICULUM** The curriculum consists of the following five parts: (1) lectures: (a) historical background of nature conservation in Japan, (b) administration of nature conservation, including administration by local government in Japan, (c) wetland research techniques, (2) presentation and discussions: (a) presentation of Country Reports, (b) group discussions on the promotion of conservation and wise use of wetlands and protection of migratory birds, (3) research work: (a) survey on vegetation of wetlands, (b) techniques for bird-banding, (4) management work: (a) restoration of reed-beds, (b) plantation of water plants (Indian rice), (5) field trip and study visit: (a) function of purification of reed-beds, (b) ecotourism activities in wetlands, (c) incubation activities of fish of wetlands, etc.
- 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 years of experience in this field, (2) university graduates or possess equivalent technical qualifications in this field, (3) not more than 45 years of age.
- TRAINING INSTITUTIONS** (1) JICA Hokkaido Branch Office (2) Environment Agency (including National Park Office) (3) Kushiro City Government (4) Yamashina Institute for Ornithology

FABRICATION AND APPLICATION OF INTERFACE CIRCUITS FOR THE MICROPROCESSOR

Oct. 3, '94 - Dec. 17, '94, 5 participants

マイクロコンピュータインタフェース技術 J-94-03191

- PURPOSE** The purpose of the course is to provide training on design, fabrication and application of interfaces for teaching personnel (professors, instructors) engaged in technological education with the aim of enabling the participants to establish instruction methods for designing and troubleshooting of equipment controlled by microprocessors.
- MAIN FEATURES OF CURRICULUM** The course will consist mainly of lectures and laboratory work. The subjects are as follows: (1) use of a single board microcomputer (2) architecture of Z80CPU (3) Z80 programming (assembly language) (4) data input-output technology (5) control of actuators (6) design and fabrication of interface circuits
- QUALIFICATION OF APPLICANT** (1) university graduate and teaching personnel engaged in technological education (2) have fundamental knowledge of electronic circuits, digital circuits and personal computer (3) under 35 years age
- TRAINING INSTITUTIONS** (1) Tohoku Branch Office, JICA (2) Sendai National College of Technology

ANALYSIS AND INTERPRETATION OF STATISTICS

July 18, '94 - Sept. 25, '94, 10 participants

統計の解析及び解釈

J-94-03133

- PURPOSE** This course is designed for experienced statisticians who are engaged in data production, particularly those who analyze, interpret and prepare statistical reports for policy makers, planners and other decision makers. The purpose of the course is to assist the participating countries in strengthening their statistical capabilities, specifically in analysis and interpretation of statistics and report writing.
- MAIN FEATURES OF CURRICULUM** Curriculum consists of the following subjects: (1) introduction to statistical analysis (2) methods of statistical analysis (3) (a) economic statistics and national accounts (b) demographic and social statistics (4) workshops/seminars (5) statistical computing (6) project work
- 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 from another recognized institution (3) have at least five years experience in survey/census related work or in the construction/analysis of statistical indicators (4) over 30 years and not more than 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)
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Statistical Institute for Asia and the Pacific (SIAP)
- REMARKS** This course is conducted according to the agreement between the Government of Japan and the United Nations Development Programme, and organized mainly for ESCAP countries.

WATER WORKS ENGINEERING

Aug. 17, '94 - Nov. 12, '94, 8 participants

水道技術者養成

J-94-03186

- PURPOSE** Through the lecture and practice, the course is designed to provide participants not only with basic knowledge and comprehensive technology regarding the overall water supply, including water resources, intake, treatment, and distribution facilities, and water service installations but also with the integrated methodology of planning and technology required for operation and maintenance. The final goal of the course is to contribute to improving and promoting the water supply in developing countries, ensuring a safe and potable drinking water supply for communities.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on the technical exercises. It mainly deals with: (1) water leak 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) university graduates or persons who have equivalent technical qualifications in this field, and have more than three years of practical experience, (2) senior technical officers in charge of waterworks in central or provincial government, or in local bodies, (3) under 40 years of age
- TRAINING INSTITUTIONS** (1) Hokkaido Branch Office, JICA (2) Sapporo Waterworks Bureau

OPERATION AND MAINTENANCE OF URBAN WATER SUPPLY FACILITIES

Jan. 16, '95 - Mar. 25, '95, 7 participants

都市上水道維持管理

J-94-03217

- 1. PURPOSE** This course is intended for experts and administrators who are expected to take responsible roles in the improvement of main waterworks in their respective countries where deterioration of water sources and the lack of water supply due to the increase of population in urban areas is a serious problem. The purpose of this course is to provide participants with broad knowledge such as the strategy for general maintenance and maintenance and management of facilities, establishment of maintenance system, water purification technology, etc., while making effective use of existing facilities.
- 2. MAIN FEATURES OF CURRICULUM** This course is conducted mainly by practice and discussion, and report making is requested at the end of each session. (1) introduction of waterworks, (2) operation and maintenance on water supply facilities, (3) water purification technology, (4) planning of urban water supplying system.
- 3. QUALIFICATION OF APPLICANT** (1) engineer or technical administrator engaged in the operation and maintenance on urban water supply facilities, (2) have experience of at least 5 years in the above mentioned field, (3) between 30 and 40 years of age.
- 4. TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA, (2) Osaka Municipal Waterworks Bureau, (3) Osaka International House Foundation.

OPERATION AND MAINTENANCE FOR SEWERAGE FACILITIES

Aug. 18, '94 - Oct. 20, '94, 5 participants

下水道維持管理

J-94-03158

- 1. PURPOSE** The course is designed for technical administrative officials engaged in providing sewerage works in developing countries. The purpose of this course is to give them training in the maintenance of sewers and wastewater treatment plants, utilization of resources (i. e., treated wastewater and sludge), and control of water pollution due to industrial wastewater, and thereby to improve their capability of managing and carrying out sewerage works.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on practice and exercise concerning to operation and maintenance of sewerage facilities. It mainly deals with: (1) basic concept of sewerage system (2) maintenance of sewers (3) management of wastewater treatment plants (4) utilization of treated wastewater and sludge (5) controlling water pollution due to industrial wastewater.
- 3. QUALIFICATION OF APPLICANT** (1) university graduate or equivalent in this field, and have more than three years of practical experience (2) senior technical officers in charge of sewerage works in central or provincial government, or in local bodies (3) under 40 years of age.
- 4. TRAINING INSTITUTIONS** (1) Hokkaido Branch Office, JICA (2) Sewerage Bureau, City of Sapporo.

SEWERAGE TECHNOLOGY FOR STORMWATER DRAINAGE

Aug. 29, '94 - Dec. 1, '94, 6 participants

都市排水

J-94-03131

- 1. PURPOSE** The purpose of this course is to offer technical administrative officers an opportunity to acquire knowledge and technological know-how on sewerage system improvements (basic planning, designing, construction, and maintenance), with emphasis on rainwater drainage works in urban areas, and hence contributing to the improvement of the expertise of the leading administrative officers in this field, and the effective execution of sewerage system improvements in developing countries.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on laboratory experiments and introduction of Japanese experience. The main themes are: (1) introduction to sewerage system (2) urbanization and urban drainage (3) improvement of urban sewerage system and countermeasures against stormwater (4) designing and construction of urban drainage facilities (5) maintenance of urban drainage facilities (6) improvement of urban infrastructure.
- 3. QUALIFICATION OF APPLICANT** (1) university graduate or those who have equivalent technical qualifications in this field, and have five or more years of practical experience (2) between 30 and 40 years of age (3) senior technical officers in charge of sewerage works in the government or government-affiliated organizations.
- 4. TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Osaka Sewerage Bureau (3) Osaka International House Foundation.
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for two weeks.

LIVING ENVIRONMENTAL PROTECTION TECHNIQUE

Sept. 19, '94 - Dec. 17, '94, 8 participants

生活環境保全技術

J-94-03196

- 1. PURPOSE** The knowledge and technology of monitoring and survey on the living environment are necessary for the planning of the monitoring, survey and for taking measures for living environmental problems. Training will be carried out at the fields in Hiroshima Prefecture to acquire them, help the improvement of living environment, disseminate the knowledge and technology, promote environmental protection of local environments and contribute to the preservation of global environment.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on workshop practice, laboratory experiments and final report presentation and discussion by participants besides lectures. It mainly covers: (1) knowledge and technique of monitoring and survey based on analytical methods including continuous analyzer and simple methods in the fields of air quality, water quality, noise and wastes (2) environmental information management such as analysis, data processing including remote sensing data processing, forecast, simulation, landscape montage (3) measures for problems in living environment such as environmental impact assessment, environment management system, environmental education (4) living environmental pollution control technology in the pollution source.
- 3. QUALIFICATION OF APPLICANT** (1) senior technical staff presently engaged directly in the environmental administration in the national and local governmental or related public organizations (2) with more than three years experience in the field of environmental protection (3) university graduate or equivalent (4) under 40 years of age.
- 4. TRAINING INSTITUTIONS** (1) Chugoku Branch Office, JICA (2) Hiroshima Prefectural Health and Environment Center.

URBAN SOLID WASTE MANAGEMENT

Aug. 22, '94 - Nov. 27, '94, 8 participants

都市廃棄物対策

J-94-03155

- PURPOSE** The purpose of the course is to contribute to the improvement of public health in developing countries by training personnel to take leadership and middle management roles in planning and implementing waste management programs in their own countries. This will be accomplished by having participants in the course learn in detail about waste management in big Japanese cities. Participants will also learn about the special characteristics of urban waste management programs while acquiring comprehensive knowledge regarding waste management.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on introduction of Japanese experience. The main themes are: (1) outline of waste management (2) outline of regional administration (3) economics and measures to counteract pollution (4) domestic waste management (5) intermediate treat facilities (6) final disposal site (7) restrictions on industrial waste management
- QUALIFICATION OF APPLICANT** (1) Technicians or administrative bureaucrats with at least three years of waste management experience or an equivalent level of specialized knowledge. Applications should also be limited to those who will continue working in the field of waste management after the training course. (2) University graduate having measured in analytical chemistry or microbiology, or those with equivalent technical knowledge (3) Under 40 years of age
- TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Osaka International House Foundation (3) Public Cleansing Bureau, Osaka Municipal Government
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for one week.

RAILWAY MODERNIZATION FOR ROLLING STOCK MAINTENANCE

Aug. 11, '94 - Oct. 23, '94, 8 participants

鉄道車両整備近代化

J-94-03176

- PURPOSE** This course is designed to help rolling stock engineers obtain a wide range of knowledge about Japanese rolling stock maintenance modernization technology. The purpose is to cultivate future leaders who will work effectively for the growth of their countries' railway transport systems, thereby contributing to national development through railway transport.
- MAIN FEATURES OF CURRICULUM** This course is focused on EL/EMU rolling stocks, putting emphasis on introduction of general knowledge and techniques on the following subjects. (1) basic know-how based on the experience of Japanese railway operation (2) cost effective management (rationalization) of workshops (3) improvement of maintenance technology (schedule control, material management, etc.) (4) revitalization (improvement of availability rate) (5) materials and parts manufacturing (6) manufacturing process and standardization (7) accident prevention in operation (8) latest technological developments (speed-up, etc.)
- QUALIFICATION OF APPLICANT** (1) have been engaged in rolling stock engineering for more than two years with more than seven years of practical experience in the field of railway engineering (especially E.M.U. or E.L. rolling stock engineering) (2) under 40 years of age (3) university/college or technical school graduate
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Railway Bureau, Ministry of Transport (3) Japan Railway Group (JR) (4) Japan Railway Stock Exporters, Association (JARSEA) (5) Japan Rolling Stock Exporter's Association
- REMARKS** This course (specially offered in Japanese fiscal 1993) is organized for countries using rolling stocks of EL or EMU types. (Course to treat other types of rolling stocks may be organized in future years.)

RAILWAY ELECTRIFICATION PLANNING AND MANAGEMENT

Oct. 11, '94 - Dec. 23, '94, 7 participants

鉄道電化計画・管理

J-94-03179

- PURPOSE** The purpose of the course is to provide participants, through lectures, discussions and observations, with basic and comprehensive theories and the application of such theories to railway electrification in terms of planning, implementation, cost-effective operations, maintenance of equipment and management technology.
- MAIN FEATURES OF CURRICULUM** This course is designed to introduce basic theories and know-how to the countries which are rather in experienced in railway electrification. The following themes will be covered in the course. (1) various equipment for the electric traction to electrify a railway (2) a rough plan for an electric traction system (3) basic methodology for maintenance of electric traction equipment (4) accident prevention measures (5) technical trends in railway electrification (6) investment planning of railway electrification, its implementation and management
- QUALIFICATION OF APPLICANT** (1) presently engaged, or expected to be engaged in the near future, in planning and management work for railway electrification (2) university graduate in electrical engineering and have more than five years of practical experience (3) under 40 years of age
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Railway Bureau, Ministry of Transport (3) Japan Railways Group (JR Group) (4) Railway Electrical Engineering Association of Japan
- REMARKS** This course (specially offered in Japanese fiscal 1994) is organized for countries at the early stage of railway electrification. (Courses for more experienced countries may be organized in future years.)

RAILWAY SIGNAL, TELECOMMUNICATION AND INFORMATION SYSTEM ENGINEERING

Jan. 10, '95 - Apr. 1, '95, 7 participants

鉄道情報システム

J-94-03180

- PURPOSE** The purpose of the course is to provide the participants with the knowledge of how to plan the installation of railway signals and telecommunications equipment through lectures and to introduce them to the workshops with recent manufacturing techniques, thereby cultivating leading signal engineers who can contribute to safe train operations.
- MAIN FEATURES OF CURRICULUM** This course mainly consists of lectures by signaling system users and workshop at signal manufactures, so as to provide information from both use's and producer's sides. The main topics in the course are as follows. (1) management (a) signal engineering in general (b) railway telecommunications in general (c) planning & development (d) maintenance (2) basics of electrical signal (a) fundamentals (b) switch point (c) track circuit (d) blocking system (e) interlocking (3) safety system and others (a) Relay Interlocking and Electronic Interlocking (b) ATS (Automatic Train Stop) and ATC (Automatic Train Control) (c) CTC (Centralized Traffic Control) (d) electronic token block system (e) railway traffic control system (f) dispatcher information system (g) railway telecommunication
- QUALIFICATION OF APPLICANT** (1) railway signal engineering official with more than five years of practical experience (2) presently engaged or expected to be engaged in the near future, in planning and administration work in the field of signal engineering (3) university/college graduate or equivalent (4) not more than 40 years of age
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Railway Bureau, Ministry of Transport (3) Japan Railway Group (JR) (4) Japan Association of Signal Industries (5) Signal Manufactures

AIRPORT ENGINEERING

Aug. 23, '94 - Oct. 14, '94, 10 participants

空港工学セミナー

J-94-0213

- 1. PURPOSE** The seminar is designed to contribute to the levelling-up of technical knowledge and knowhow about airport civil engineering for engineers who mainly work in the areas of airport planning, airport construction, and maintenance and operation of airport facilities. The participants will be given opportunities to take lectures, have discussions and conduct on-site observations. The participants will also study how to execute their own airport development plans through discussions on the country reports submitted by the participants.
- 2. MAIN FEATURES OF CURRICULUM** In this seminar, the emphasis is put on introduction of Japanese situation and systems and basic theories on airport planning and management. The major subjects are; (1) civil aviation in general (2) operation of airports (3) planning of airports (4) design and construction of airports (5) maintenance of airports
- 3. QUALIFICATION OF APPLICANT** (1) university graduate in civil engineering or architecture or equivalent (2) currently employed by their government or by public authorities for civil aviation as airport engineer or be newly-appointed personnel who will manage airport civil engineering matters (3) have more than five years of occupational experience in the fields of airport civil engineering such as in airport planning, airport construction, or maintenance (4) under 40 years of age
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Civil Aviation Bureau, Ministry of Transport

EXECUTIVE'S SEMINAR ON PUBLIC WORKS RESEARCH AND DEVELOPMENT

Oct. 16, '94 - Oct. 29, '94, 8 participants

土木技術研究開発幹部セミナー

J-94-03152

- 1. PURPOSE** This course is intended for senior engineers in leading posts to prepare and promote public works research and development in Asian countries. The purpose of this course is to improve executive personnel who can efficiently and properly contribute to implementation of infrastructure and public works, thus leading to development of each country.
- 2. MAIN FEATURES OF CURRICULUM** In this seminar, the emphasis is put on the report presentation, discussion in the field of public works, and study trip. It mainly covers; (1) presentation of Country Report (2) introduction and analysis of the current situation and problems of public works in developing countries and Japan (3) discussion on specific subjects (4) study trip
- 3. QUALIFICATION OF APPLICANT** (1) university graduate or equivalent in the field of public works engineering (2) director general or equivalent high-ranking officials responsible for management or administration of public works in government or research institutions
- 4. TRAINING INSTITUTIONS** (1) Tsukuba International Centre (TBIC), JICA (2) Public Works Research Institute, Ministry of Construction

SOCIAL INFRASTRUCTURE DEVELOPMENT AND PLANNING

Jan. 9, '94 - Mar. 19, '95, 8 participants

社会資本整備計画

J-94-03132

- 1. PURPOSE** This course offers to those who belong to the government or government affiliated organizations of developing countries an opportunity to acquire the contemporary knowledge and techniques concerning the roles of infrastructure, methods and process of survey, analysis, and planning, through lectures, observations and group studies
- 2. MAIN FEATURES OF CURRICULUM** This course consists of common subjects for all participants and group studies. It covers very broad technical fields; roads, railways, ports, water supply, sewage system, dams, and telecommunication in order for participants to obtain wide knowledge and technique to prepare comprehensive plans for the infrastructure. The main themes are: (1) introduction and infrastructure development (a) development and economic effect of infrastructure in Japan, Japanese overseas technical cooperation in infrastructure development (2) regional/urban planning (a) regional development, city planning, water supply system, sewage system, garbage management (3) highway, transport, telecommunication planning (a) road network, urban transport, railways (4) river/port planning (a) river improvement (water resources, flood control), port and harbour (5) case study (group discussion) on infrastructure development plans
- 3. QUALIFICATION OF APPLICANT** (1) university graduate or those who have equivalent educational qualifications preferably in the field of civil engineering, and have at least five years' experience in planning infrastructure development (roads, railways, ports, water supply and sewage systems, dams, telecommunication systems, etc) (2) under 40 years of age
- 4. TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Engineering Affairs Management Section, Minister's Secretariat, Ministry of Construction (3) International Affairs Division, Economic Affairs Bureau, Ministry of Construction (4) Planning Division, Kinki Regional Construction Bureau, Ministry of Construction (5) Japan Construction Training Center Foundation (JCTC)
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for one week.

ENVIRONMENTAL ASSESSMENT IN INFRASTRUCTURE DEVELOPMENT

Jan. 9, '95 - Mar. 24, '95, 8 participants

社会資本関連環境影響評価

J-94-03184

- 1. PURPOSE** To contribute to harmony in development and environmental preservation in developing countries by training infrastructure development engineers in the techniques required in environmental assessment, assessment of effects on environment, measures for environmental preservation, etc. for minimizing the effects of infrastructure development on environment, maintaining favorable environment for the people, and for preserving nature.
- 2. MAIN FEATURES OF CURRICULUM** This course consists of lectures and study tours as follows. (1) regional plans (2) environmental plans (3) environmental assessment (4) environmental projections (5) environmental preservation measures (6) assessment of effects on environment * Under the word "Environment", this course deals with water quality, noise, vibration, air quality, animals and vegetation
- 3. QUALIFICATION OF APPLICANT** (1) university graduate in civil engineering or equivalent (2) five or more years of experience in infrastructure development administration (3) under 40 years old in age
- 4. TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Kinki Regional Construction Bureau, Ministry of Construction (3) Japan Construction Training Center Foundation
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for one week.

URBAN GREENERY AND PARK ADMINISTRATION

Aug. 29, '94 - Nov. 13, '94, 6 participants

都市緑化行政

J-94-03154

- PURPOSE** The course is intended for administrators in developing countries who are responsible for promoting projects to increase greenery and park constructions in urban areas. It will include in-depth study of governmental policies and technical issues related to increasing urban greenery, preserving existing green spaces, city parks, natural parks and recreational facilities. At the same time, the basic knowledge and experience necessary for the participants to respond in an informed manner to policy proposals and decisions will also be covered. The overall aim of the course is to upgrade the technical abilities of the leading governmental administrators and thus enabling them to contribute to the improvement of the living environment in developing countries.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on introduction of Japanese experience and basic theories of urban greenery and park administration. The main themes are: (1) creation of green spaces (a) policies of urban design with flowers and greenery, planning and design of planting, planning and policies of parks and green spaces (2) preservation and conservation of green spaces (a) national parks, Japanese gardens
- QUALIFICATION OF APPLICANT** (1) management and supervisory administrators in the field of urban greenery and park development with practical experience of at least five years (2) under 40 years of age (3) university / college graduate or equivalent
- TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Osaka International House Foundation (3) Public Works Bureau, Osaka Municipal Government
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for one week.

PLANNING FOR THE DEVELOPMENT OF URBAN FACILITIES

Aug. 30, '94 - Nov. 13, '94, 8 participants

都市施設整備計画

J-94-03195

- PURPOSE** The course is designed to train urban planning officers and engineers to be leaders in the field of urban facilities planning. This is accomplished through special training programmes which teach techniques for the planning of roads, water works, public space, etc. in medium sized cities.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on introduction of Japanese experience and basic theories of urban planning including planning presentation by participants. The main themes are: (1) road and traffic facilities (2) public space; parks, green area, public cemetery (3) service facilities and treatment plants; waterwork, electricity, gas services, sewage and filth treatment plant and waste disposal (4) waterway; rivers and dams (5) facilities for education and culture; schools, libraries
- QUALIFICATION OF APPLICANT** (1) engineer or administrative officer who is presently engaged in planning for urban facilities and has experience in this field more than five years (2) under 40 years of age
- TRAINING INSTITUTIONS** (1) Hokkaido Branch Office, JICA (2) City of Obihiro

GLOBAL MAPPING (ENVIRONMENT)

to be adjusted, 7 participants

環境地図セミナー

J-94-03226

- PURPOSE** This seminar is designed to discuss necessary measures to be taken for preparing environmental maps and to upgrade administrative skills of surveying and mapping, particularly in the field of global environmental mapping technology of each participating country. The seminar emphasizes the importance of preparing environmental maps of uniform standards which cover a broad area, and expects participants to understand techniques necessary for preparing such maps.
- MAIN FEATURES OF CURRICULUM** This seminar consists of participation in international conference, discussion, introduction of Japanese new technology on surveying and mapping, and observation trip. Main features of the curriculum are as follows: (1) participation in the international conference on global environmental mapping, (2) introduction of new global environmental mapping technology and discussions about the preparation of such maps, (3) introduction and observation trips on global positioning system, satellite imagery, digital mapping and geographical information system, (4) discussions on the role of national surveying and mapping institute; introducing new technology, understanding global environmental problems and educating and training engineers, (5) presentation of Country Reports.
- QUALIFICATION OF APPLICANT** (1) a director general or an equivalent high-ranking official of the national institute in charge of surveying and mapping, (2) more than ten years of experience in this field, (3) university graduate or equivalent.
- TRAINING INSTITUTIONS** (1) Tsukuba International Centre (TBIC), JICA, (2) Geographical Survey Institute (GSI)

POSTAL OPERATION MANAGEMENT

Nov. 7, '94 - Dec. 4, '94, 7 participants

郵便業務管理

J-94-03229

- PURPOSE** This course is intended for participants from island countries who are engaged in the management of mail business. The status quo of Japan's mail system and its experience will be introduced aiming to help them to solve various problems their countries face.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, case studies, field on-the-spot surveys. The main theme is: problems in the management of mail business in island countries and countermeasures. The subjects are as follows: (1) sorting of mail, (2) transportation, (3) collection and delivery, (4) contribution to the community, (5) sales activity, (6) personnel management.
- QUALIFICATION OF APPLICANT** (1) have more than five years' experience in this field, (2) over 35 and under 45 years of age.
- TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA, (2) Ministry of Posts and Telecommunications.

STATISTICAL INFORMATION SYSTEM FOR AGRICULTURE

June 28, '94 - Sept. 9, '94, 7 participants

農業統計情報システム

J-94-03130

- PURPOSE** The purpose of the course is to provide basic information on survey design and data processing by computers to be adopted for compilation of statistical information concerning agriculture.
- MAIN FEATURES OF CURRICULUM** The following major subjects will be covered in the course. (1) agricultural statistics (a) role (b) contents and methodology (2) agricultural census (3) sample survey (a) theory and methods (b) design of annual sample survey (sample census) of agricultural holdings (c) design of basic survey of livestock (d) design of crop survey (area survey, production survey) (4) exercise of field survey (5) method of computer use (a) programming (b) personal computer operation
- QUALIFICATION OF APPLICANT** (1) government official engaged in planning and administration of agricultural statistics (exclude forestry and fishery statistics) (2) university graduate or equivalent (3) not more than 40 years of age
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Statistics and Information Department, Ministry of Agriculture, Forestry and Fisheries (MAFF) (3) National Federation of Statistics Association on Agriculture, and Forestry

GENERAL AGRICULTURE (OISCA SPECIAL TRAINING COURSE)

Jan. 19, '95 - Dec. 19, '95, 30 participants

オイスカー一般農業

J-94-03079

- PURPOSE** The purpose of the course is to provide participants with theoretical and practical knowledge and techniques in the fields of crop production and agricultural machinery mainly through practical studies so that they can serve as agricultural leaders in their countries.
- MAIN FEATURES OF CURRICULUM** In the course, the emphasis is put on lectures, practical training and field studies. The main themes are; (1) rice cultivation (2) vegetable cultivation (3) fruit cultivation (4) land improvement (5) land survey (6) investigations and trials (7) agricultural machinery
- QUALIFICATION OF APPLICANT** (1) agricultural staff or those who are engaged in agriculture as progressive farmers with occupational experience of more than two years in their specialities (2) between 20 and 30 years of age (3) graduate of GCE 'O' Level (10 years education) or equivalent
- TRAINING INSTITUTIONS** (1) Nagoya International Training Centre (NITC), JICA (2) OISCA Nishi-Nippon Training Centre (3) OISCA Shikoku Training Centre
- REMARKS** A compulsory intensive Japanese language course will be conducted in parallel with the technical training and lectures at OISCA Training Centres for three months (373 hours).

SEMINAR ON STABLE PRODUCTION OF HIGH QUALITY VEGETABLE AND VEGETABLE SEED

Aug. 15, '94 - Sep. 4, '94, 10 participants

野菜及び野菜種苗の高品質安定生産に関するセミナー

J-94-03223

- PURPOSE** This seminar is intended to deepen understanding of the technical and economic issues which are inevitable in the process of ensuring stable production of high-quality vegetables, and to develop ability to take initiative for stable production in accordance with each participating country's situation.
- MAIN FEATURES OF CURRICULUM** In the course, the emphasis is put on lectures, discussion, and observation. It mainly covers: (1) introduction of the species, cultivation, and distribution technology in respect to stable production of high-quality vegetables in Japan, (2) presentation and discussion about the status quo of each country and its problem, (3) participation in the 24th International Horticultural Congress, and (4) field study.
- QUALIFICATION OF APPLICANT** (1) researchers or technical experts on vegetables, or administrators who are in charge of drafting government policies on vegetables. (2) occupational experience in this field between 10 to 15 years, and (3) less than 40 years of age (except for senior vegetable specialized researcher.)
- TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA, (2) National Research Institute of Vegetables, Ornamental Plants and Tea.

FARMING TECHNOLOGY IN SLOPING AREAS FOR ENVIRONMENTAL CONSERVATION

Aug. 29, '94 - Oct. 15, '94, 5 participants

傾斜地域環境保全型農業

J-94-03215

- PURPOSE** The purpose of this course is to transfer the technology of agriculture in mountainous regions through lectures, practices and observation, which Hiroshima Prefecture has long accumulated, and thus contributing to the promotion of agriculture and the environmental conservation of developing countries.
- MAIN FEATURES OF CURRICULUM** The main themes are: (1) understanding of the characteristics of the natural conditions of agriculture in sloping areas (2) cultivation management techniques (irrigation, drainage, fertilization application, soil management and pest control techniques suitable to sloped land) (3) observation of the actual conditions in Hiroshima Prefecture (rice terrace, cultivation of konjak, fruit trees)
- QUALIFICATION OF APPLICANT** (1) occupational experience of more than three years in the field of agriculture (2) university graduate or equivalent (3) under 40 years of age
- TRAINING INSTITUTIONS** (1) Hiroshima Prefectural Agriculture Research Center, (2) Agricultural Improvement and Extension Offices in Hiroshima Prefecture.
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for 5 days.

AGRICULTURE AND RURAL DEVELOPMENT

Sep. 6, '94 - Nov. 27, '94, 5 participants

農業農村整備

J-94-03216

- PURPOSE** The purpose of the training course is to provide training in the field of civil engineering to specialists and engineers of agricultural and rural development projects. This includes surveying, planning, implementation and examination of the development of agricultural products through irrigation and improved drainage systems etc. At the same time, this course is to provide the method of choosing planning and technology systems for agricultural and rural development projects in order to maintain stable food supply.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on field observation of big scale upland and dairy farming operations in Japan. It mainly covers the following themes. (1) general project systems and promotion systems from planning to implementation for agricultural development projects, (2) overview of civil engineering technology, focusing on irrigation and drainage projects, (3) method of improving agricultural life styles and work environment.
- QUALIFICATION OF APPLICANT** (1) leaders or technical engineers actively engaged in agricultural development projects especially in the field of irrigation and drainage for upland farming, (2) having more than three years of experience, (3) over 25 and under 45 years of age, (4) high school graduate or equivalent.
- TRAINING INSTITUTIONS** (1) Hokkaido Branch Office, JICA, (2) City of Obihiro

SWINE PRODUCTION AND BREEDING TECHNOLOGY

Jan. 16, '95 - May 15, '95, 6 participants

豚育種・生産技術

J-94-03187

- PURPOSE** The purpose of the course is to transfer the latest technology and knowledge of swine production and breeding technology in Japan to the personnel in developing countries faced with such necessities. It is designed to raise leading technologists who can promote swine breeding, and ultimately contribute to the progress of animal industry.
- MAIN FEATURES OF CURRICULUM** The course covers the whole range of swine breeding technology. The subjects are as follows: (1) new technology of swine breeding (2) feeding and management technology (3) disease and sanitary measures (4) artificial insemination technology using frozen semen (5) embryo transfer technology (6) meat analysis by scanning scope
- QUALIFICATION OF APPLICANT** (1) university graduate or equivalent (2) have more than three year occupational experience in the field of swine breeding at government institutes or universities (3) not more than 40 years old
- TRAINING INSTITUTIONS** (1) Tohoku Branch Office, JICA (2) National Livestock Breeding Center, Ministry of Agriculture, Forestry and Fisheries (MAFF)
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for 3 weeks.

ADVANCED TECHNOLOGY FOR VETERINARY DIAGNOSIS

May 16, '94 - Nov. 27, '94, 6 participants

獣医バイオ診断技術

J-94-03150

- PURPOSE** This course is organized to introduce to experienced veterinarians some advanced technology required for the recent diagnosis and preventive methods of animal diseases on the basis of conventional techniques.
- MAIN FEATURES OF CURRICULUM** This course consists of common subjects for all participants and individual training in the laboratory. Each participant is to take one of the following subjects for their individual training. The themes are: (1) bacterial genome (2) bacterial plasmids (3) protozoa vaccine (4) parasite immunochemistry (5) laboratory animals (6) transgenic animals (7) immunological pathology (8) detection of mycotoxin by immunological methods (9) biological statistics (10) clinical biochemistry (11) DNA recombinant technology (12) DNA probe (RFLP and PCR analysis) (13) antigenic analysis of viruses (14) immunocytology (15) molecular virology (16) molecular immunology
- QUALIFICATION OF APPLICANT** (1) qualified veterinarian (2) presently engaged in research work with more than five years of experience (3) over 25 and under 40 years of age
- TRAINING INSTITUTIONS** (1) Tsukuba International Centre (TBIC), JICA (2) National Institute of Animal Health (NIAH), Ministry of Agriculture, Forestry and Fisheries
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for one week (25 hours).

LABORATORY DIAGNOSIS OF POULTRY DISEASES

Sept. 5, '94 - Mar. 17, '94, 6 participants

家禽疾病の診断技術

J-94-03193

- PURPOSE** To improve sanitary control of poultry in developing countries and to contribute to health enhancement of the citizens of participating countries, through recognition of the importance of sanitary control of meat and poultry diseases and through acquisition of methods for laboratory diagnosis of poultry diseases appropriate for respective conditions in individual countries.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on laboratory experiments. The main themes are: (1) basic procedures of contamination inspection of meat and in diagnosis of poultry diseases (microbiology, public health, pathology, immunology, medical science, internal medicine) (2) visual and microscopic bacteriological examination of infection development of hens experimentally infected by pathogens (3) study tour of poultry processing site (4) isolation and stabilization of pathogens of poultry diseases and in treatment of infected/contaminated meat
- QUALIFICATION OF APPLICANT** (1) college graduate or equivalent (2) certified sanitary inspection engineer or clinical inspection engineer (3) more than three years' experience in diagnosis of poultry diseases
- TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) College of Agriculture, University of Osaka Prefecture
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for four weeks.

**DEVASTATED FOREST RESTORATION
TECHNIQUE**

June 21, '94 - Oct. 8, '94, 8 participants

荒廃林地復旧技術

J-94-03157

- 1. PURPOSE** The knowledge and know-how of afforestation, tree planting, disaster prevention, etc. are necessary for the recovery and remedy of devastated forest areas, particularly deforestation and collapse, etc., of mountains. Training will be carried out at the fields in Hiroshima Prefecture to help the participants acquire the formation of sound forests and the conservation of local environments and contribute to the creation and conservation of a comfortable earth environment.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures which introduce Japan's forests and forestry and forests, forestry and afforestation in Hiroshima Prefecture, (and observatory tours). It mainly covers: (1) planning mountainside foundation works in Hiroshima Prefecture (2) afforestation survey methods in Hiroshima Prefecture (3) planning stream works in Hiroshima Prefecture
- 3. QUALIFICATION OF APPLICANT** (1) with more than three years of occupational and research experience in devastated forest restoration (2) university graduate or equivalent (3) under 35 years of age
- 4. TRAINING INSTITUTIONS** (1) Chugoku Branch Office, JICA (2) Forestry Department, Hiroshima Prefectural Government (3) Forestry Training Institute (FTI), Forestry Agency
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for 1 week (25 hours). In addition, a Japanese language course (2-hour each, once or twice a week) will be organized during your stay in Hiroshima.

FISHERY SCIENCE AND TECHNOLOGY

Mar. 27, '95 - June 30, '95, 5 participants

海洋漁業生産管理

J-94-03205

- 1. PURPOSE** The purpose of the training course is to cultivate human resources that will contribute to sustainable development of coastal and offshore fisheries in developing countries by providing knowledge and skills of fishery production and management as well as marine resource survey and research techniques.
- 2. MAIN FEATURES OF CURRICULUM** The training programme consists of lectures, practical field work, discussions and study visits. The following subjects are covered in the course. (1) Japanese technology of fishery production and management (a) theory of fishery (b) fishery management (2) fishing gear and fishing methods applicable in developing countries (3) hydrography necessary for proper management of fishery grounds (a) marine ecology (b) resource analysis (4) fishing mechanics (a) measurement of located fish (b) development of resource quantity research methods (5) navigation (6) fishing boat management
- 3. QUALIFICATION OF APPLICANT** (1) be engaged in the planning or management of fishery production and marine research, (2) have five years occupational experience in the mentioned field, (3) be between 25 and 40 years of age, (4) be university graduates or the equivalent.
- 4. TRAINING INSTITUTIONS** (1) Kyushu International Centre, JICA, (2) Shimonoseki University of Fisheries

**ENTERPRISE NETWORKING FOR
REGIONAL DEVELOPMENT**

Sept. 27, '94 - Nov. 13, '94, 6 participants

企業ネットワークによる地域開発

J-94-03233

- 1. PURPOSE** The purpose of this course is to train the participants to learn the strategy of local industrial development through creating a system of enterprise networking within a region. 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 developing 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 regional industrial development projects and policy, and preferably under 40 years of age, (2) university graduate or equivalent, (3) good background in either industrial extension services or actual experience in business management.
- 4. TRAINING INSTITUTIONS** (1) International University of Japan (IUJ), International Association of Niigata Prefecture.

**APPLICATION FOR STANDARDIZATION AND
QUALITY SYSTEM**

Mar. 20, '95 - Apr. 21, '95, 6 participants

標準化・品質システム活用

J-94-03220

- 1. PURPOSE** This course is designed to upgrade the skills of participants from ASEAN countries who are expected to transfer such methods as quality system based on ISO (International Organization for Standardization) 9000 Series, and TQM (Total Quality Management) which encourages quality improvement activities in their respective countries. Through such methods, the course aims to activate market economies as well as to promote international trade. (NOTE: This course is designed for former participants who have completed the JICA Training Course "Implementation of TQC and Standardization Activities (II) or those having equivalent technical knowledge.)
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is mainly to put on introduction of Japanese experience through practical lectures including case studies, various discussions, and factory visits. The main themes are: (1) philosophy of TQM, (2) motivation, (3) TQM methodology-adoption of SQC (Statistical Quality Control), QC (Quality Control) story, etc., (4) evaluation of TQM implementation, (5) model course programing.
- 3. QUALIFICATION OF APPLICANT** Applicants should: (1) have occupational experience of at least 3 years in this field, and be engaged in the job of the same subject presently, (2) be between the age of 30 and 45, (3) be university graduates, and be former participants who have completed the JICA Training Course "Implementation of TQC and Standardization Activities (II)" or have equivalent technical knowledge.
- 4. TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Japanese Standards Association.

NON DESTRUCTIVE INSPECTION TECHNIQUE

Feb. 27, '94 - July 1, '95, 8 participants

非破壊検査技術

J-94-03194

- 1. PURPOSE** The purpose of the course is to provide the indispensable principle and techniques of non destructive inspection method for quality assurance of industrial products, e. g. non destructive testing of castings, forgings, rolled steel products or weldments, so as to develop their own industry.
- 2. MAIN FEATURES OF CURRICULUM** In this course, theory of non destructive inspection techniques, the selection of proper inspection method according to the proposed use as well as the knowledge and skills of evaluating inspection results will be studied through lectures, practice and field trips. It mainly covers: (1) radiographic examination (2) ultrasonic test (3) magnetic particle examination (4) penetration test (5) eddy current examination
- 3. QUALIFICATION OF APPLICANT** (1) graduate from the faculty of engineering at university (2) engineer of governmental inspecting organization or related organization (3) have experience of welding structures and castings, or will be engaged in inspection work including non-destructive inspection
- 4. TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) Kitakyushu International Techno-cooperative Association (3) Kyushu Institute of Technology (4) Fukuoka Industrial Technology Center
- 5. REMARKS** (1) A compulsory 25 hour Japanese language course will be conducted prior to the technical training.

WELDING TECHNOLOGY II

May 9, '94 - Oct. 27, '94, 8 participants

溶接技術 II

J-94-03212

- 1. PURPOSE** In order to bring up well-qualified engineers who are able to manage welding construction and maintenance, the course provides theoretical and practical knowledge or welding technology.
- 2. MAIN FEATURES OF CURRICULUM** This course will be conducted in the form of lecture, practical exercises and factory observations. The main themes are: (1) welding processes and equipment (2) materials and their behaviours during welding (3) construction and design (4) fabrication, application engineering (5) fundamental practical operation (6) factory observation
- 3. QUALIFICATION OF APPLICANT** (1) university graduate or equivalent (2) welding engineer or researcher (3) occupational experience of more than three years (4) between 26 and 35 years of age
- 4. TRAINING INSTITUTIONS** (1) Nagoya International Training Centre (NITC), JICA (2) Japan Welding Engineering Society
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for three weeks (75 hours).

CERAMICS DEVELOPMENT TECHNOLOGY II

Apr. 18, '94 - Oct. 27, '94, 5 participants

陶磁器開発・活用技術 II

J-94-03211

- 1. PURPOSE** The purpose of the course is to provide engineers or researchers presently engaged in the development work at research or educational institutions with knowledge and techniques ranging from the study of raw materials to the improved application technology for ceramics through scientific approaches.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on practical training and related lectures. The main themes are: (1) raw materials (2) preparation of bodies (3) glaze (4) screen printing (5) firing. The participants will also have the chance to observe some of the famous areas for ceramic industries, during field trips.
- 3. QUALIFICATION OF APPLICANT** (1) university graduate or equivalent, and have more than three year practical experience at educational or research institution related to ceramics (2) working at ceramic manufacturing plant as an engineer or institution of ceramic research and development as a researcher, and not be craftsman (3) between 25 and 40 years of age
- 4. TRAINING INSTITUTIONS** (1) Nagoya International Training Centre (NITC), JICA (2) Government Industrial Research Institute of Nagoya (NIEIN) (3) Tajimi City Pottery Design and Technical Center (4) Institute for Comparative Pottery, Chukyo Junior College (5) other public institutions and private companies
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for four weeks (100 hours).

ELECTRIC POWER DEVELOPMENT PLANNING

Aug. 30, '94 - Nov. 10, '94, 8 participants

電力総合開発計画

J-94-03078

- 1. PURPOSE** The purpose of this course is to introduce participants to the basic policies of Japan regarding the development of electric power, and to share the accumulated knowledge which has contributed to such policy development. The course is specifically designed to ensure that all participants will gain the necessary competence required to assume a direct role in the planning of their country's own electric power needs, and therefore contribute to the efficient development of electric power around the world.
- 2. MAIN FEATURES OF CURRICULUM** The following subjects will be covered, in principle: (1) lectures (a) Japan's electric power industry. (b) orientation for Tohoku EPCo's programme (c) present situation and future prospects of Tohoku EPCo. (d) outline of power transmission, transformation and distribution facilities (e) outline of technological development (f) load forecast and power supply plan (g) power source development plan (h) operation of power system (i) fuel requirements (j) others (2) observation tours
- 3. QUALIFICATION OF APPLICANT** (1) college graduate or equivalent and have more than ten years of practical experience (2) engaged in power development planning at present or in the past (3) between 30 and 40 years of age
- 4. TRAINING INSTITUTIONS** (1) Tohoku Branch Office, JICA (2) Japan Electric Power Information Center, Inc. (JEPIC) (3) Tohoku Electric Power Company, Inc. (Tohoku EPCo)
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for 3 weeks.

THERMAL-ELECTRIC POWER ENGINEERING

May 10, '94 - June 29, '94, 8 participants

火力発電

J-94-03101

- 1. PURPOSE** The purpose of the course is to provide the participants with the latest information and knowledge concerning managing and technical aspects of the Japan's thermal electric power industry so that the participants would be able to play greater roles for further progress and advancement of thermal electric power generation in their respective country.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on introduction of Japanese situation and know-how. Following subjects are referred to in the course; (1) Japan's electric power industry (2) Japan's government-policy, planning, laws and regulations concerned with electric power industry (3) general and comprehensive information related to thermal electric power engineering in Japan, especially from the view points of planning, design, construction, operation and maintenance stages of thermal electric power stations and relevant points concerning electric power industry
- 3. QUALIFICATION OF APPLICANT** (1) electrical and/or mechanical engineers presently employed at governmental or private electric power utility and have more than three years of operation and/or maintenance experience at thermal power stations (2) under 40 years of age (3) technical college graduate or equivalent
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Agency of Natural Resources and Energy, Ministry of International Trade and Industry (3) Japan Electric Power Information Center, Inc. (JEPIC) (4) Tokyo Electric Power Company (TEPCO)

SEMINAR ON BUSINESS MANAGEMENT FOR ASIA AND PACIFIC REGION

July 4, '94 - July 24, '94, 12 participants

アジア・太平洋経営セミナー

J-94-03123

- 1. PURPOSE** This seminar is intended for senior administrators of the government and business executives in the Asian and Pacific countries who are in charge of the promotion of economic activities. The participants of this course will learn the status quo of Japanese economy, factors of its development, and relations between Japanese economy and Pacific economy. It is hoped that this course will contribute to the development of business management of the participating countries.
- 2. MAIN FEATURES OF CURRICULUM** In this course the emphasis is put on discussions by participants, and introduction of Japanese experience. The main themes are: (1) status quo of Japanese economy and roles of private enterprises (2) development of Japanese economy and its relation with Pan Pacific economy (3) Japanese administration and the economic development (4) business management (a) quality control, human resources development, technological development (5) large enterprises and subcontractors (6) internationalized small and medium enterprises (7) general trading companies (8) prospects for the economies of the Pacific Region and Japan
- 3. QUALIFICATION OF APPLICANT** (1) (a) senior executive government officers responsible for the promotion of industries (b) executive managers of private enterprises who are recommended by economic organizations in their countries (i) To enhance training effects, it would be of help if the nominating government could recommend an applicant from each of the above two categories: government sector (a) and private sector (b) (2) Under 55 years of age
- 4. TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Pacific Resource Exchange Center (PREX)

SEMINAR ON DISTRIBUTION STRUCTURE FOR CONSUMER GOODS IN JAPANESE MARKET

Oct. 3, '94 - Nov. 5, '94, 9 participants

日本市場商品流通システムセミナー

J-94-03189

- 1. PURPOSE** To contribute to promotion of exports in developing countries by learning about the realities of complex distribution structure for consumer goods in Japanese market through theoretical studies and on-site training.
- 2. MAIN FEATURES OF CURRICULUM** This course mainly covers; (1) mechanism of distribution in Japanese market (2) Japanese market trends (3) problem in exports to Japan (4) study tours of actual distribution processes, retail sales
- 3. QUALIFICATION OF APPLICANT** (1) college graduate or equivalent (2) individual in leadership position in export promotion at either central or local government or an official in business organizations, such as, the chamber of commerce and industry, association of manufacturers or distributors, etc. (3) under 55 years of age
- 4. TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Pacific Resource Exchange Center (PREX)

PROMOTION OF DIRECT INVESTMENT

Jan. 9, '94 - Mar. 26, '95, 15 participants

投資環境整備

J-94-03177

- 1. PURPOSE** Based on the foregoing appraisal, this course, offered to senior administrators directly in charge of encouraging direct investment from abroad or officials responsible for legislative formulation, aims to contribute to the institution and development of legislation designed to promote direct investment in developing countries through lectures on present Japanese legislation and overall frameworks for investment promotion, study of actual examples of enterprise feasibility studies, lectures on the investment promotion systems of the investing enterprises themselves and exchange of opinions with those who are active in the field.
- 2. MAIN FEATURES OF CURRICULUM** This course consists of lectures and visits. The main themes are: (1) law systems for investment promotion in Japan (a) company formation and operation, finance, tax (b) employment, environmental protection (2) Japanese management forms (visits to Japanese companies) (3) case study on feasibility of direct investment (4) round table discussions
- 3. QUALIFICATION OF APPLICANT** (1) university graduate or equivalent (2) senior administrators directly in charge of encouraging direct investment from abroad or officials responsible for its legislative formulation or a related field in their governments, with practical experience of at least five years (3) under 40 years of age
- 4. TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Kyoto Comparative Law Center
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for one week.

**INVESTMENT PROMOTION SEMINAR (1)
(ASIAN COUNTRIES)**

June 23, '94 - July 27, '94, 11 participants

投資促進セミナー(1)(アジア諸国) J-94-03209

- 1. PURPOSE** Direct investments from developed nations, including grants and technical transfers, are effective for stimulating industrial development of countries facing difficulties in local procurement and securing essential factors such as capital and technology. In addition improvement of investment promotion programmes requires the cultivation of capable personnel in relevant positions of authority. This seminar is designed primarily for government officials of Asian countries, who are responsible for soliciting investments from overseas sources. Since it is essential, in receiving such investments, to understand the investor nation, a case emphasis will also be put on understanding the comprehensive or total background of Japan, including its business practices and organizational structures in Japan.
- 2. MAIN FEATURES OF CURRICULUM** The main theme of this seminar is to clarify and analyze the current situation and problems of his/her own country's investment promotion.
- 3. QUALIFICATION OF APPLICANT** (1) university graduate or equivalent (2) under 40 years of age (3) official who belongs to governmental or semi governmental organizations (e.g. investment promotion organization) with more than five years of practical experience in the administration of overseas investment
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) World Trade Centre of Japan, Inc. (WTC)
- 5. REMARKS** This course is organized for Asian countries.

**INVESTMENT PROMOTION SEMINAR (2)
(LATIN AMERICAN COUNTRIES) II**

Aug. 25, '94 - Oct. 8, '94, 11 participants

投資促進セミナー(2)(ラテンアメリカ諸国) II J-94-03210

- 1. PURPOSE** Direct investments from developed nations, including grants and technical transfers, are effective for stimulating industrial development of countries facing difficulties in local procurement and securing essential factors such as capital and technology. In addition, improvement of investment promotion programmes requires the cultivation of capable personnel in relevant positions of authority. This seminar is designed primarily for government officials of the countries of Latin America, who are responsible for soliciting investments from overseas sources. Since it is essential, in receiving such investments, to understand the investor nation, a case emphasis will also be put on understanding the comprehensive or total background of Japan, including its business practices and organizational structures in Japan.
- 2. MAIN FEATURES OF CURRICULUM** The main themes of this seminar are: (1) analysis of the current situation and problems of his/her own country's investment promotion (2) research paper writing on "Selection of Potential Japanese Investors"
- 3. QUALIFICATION OF APPLICANT** (1) university graduate or equivalent (2) under 40 years of age (3) official who belongs to governmental or semi governmental organizations (e.g. investment promotion organization) with more than five years of practical experience in the administration of overseas investment
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) World Trade Center of Japan, Inc. (WTC)
- 5. REMARKS** This course is organized for Latin American countries.

**MANAGEMENT OF CHAMBERS OF
COMMERCE AND INDUSTRY**

Nov. 21, '94 - Dec. 22, '94, 5 participants

商工会議所マネジメント J-94-03221

- 1. PURPOSE** The purpose of this course is to give leading managers of Chambers of Commerce and Industry a knowledge of how to manage industrial associations and how to promote medium-and small-sized businesses. In addition, this course aims to contribute to the development of human resources that are necessary for fully augmenting the social structure, industrial activities and economic growth.
- 2. MAIN FEATURES OF CURRICULUM** The following major subjects will be covered in the course during lectures in Tokyo and a field trip: (1) seminar programme on Japan's foreign trade, economic cooperation overseas, and management and activities of Chambers of Commerce and Industry, (2) seminar programme on management of Japanese companies and discussions of country reports, (3) observation of activities by the Japan and Tokyo Chamber of Commerce and Industry, other related offices, and commercial facilities in Tokyo, (4) study trip, (5) summary, evaluation and closing ceremony.
- 3. QUALIFICATION OF APPLICANT** (1) be managers/directors of sections in the Chambers of Commerce and Industry or other similar organizations, or governmental officials who are in charge of these organizations, (2) be university graduates or possess equivalent knowledge, (3) be under 45 years of age, (4) have more than 5 years of practical experience in this field.
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA, (2) The Japan Chamber of Commerce and Industry (JCCI)

**TRADE-INVESTMENT PROMOTION
(CENTRAL AMERICAN COUNTRIES)**

Feb. 14, '95 - Mar. 30, '95, 7 participants

貿易・投資促進実務(中米諸国) J-94-03151

- 1. PURPOSE** The purpose of this course is to provide the staff members of the governments of Central American countries and their related organizations with an opportunity to study how to implement policies and promotion measures for trade and investment more effectively. In addition to theoretical background information concerning the development of manufacturing industries and export promotion, Japanese experiences and procedures will be introduced.
- 2. MAIN FEATURES OF CURRICULUM** This training programme places particular emphasis on the acquisition of knowledge in the following areas: (1) promotion of manufacturing industries (2) trade (export) promotion (3) measures invite suitable foreign investment (4) Japanese experiences and present situation (a) Japanese economic cooperation in Central American countries (b) Japanese economy, trade and overseas investment (c) characteristics of management in Japan (d) functions and characteristics of Japanese business organizations (e) Japanese small and medium enterprises (f) marketing and management analysis
- 3. QUALIFICATION OF APPLICANT** (1) university graduate or equivalent (2) under 40 years of age (3) official who belong to governmental or semi governmental organizations (e. g. trade or investment promotion organization) with more than five years of practical experience in the administration of overseas investment
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) World Trade Centre of Japan, Inc. (WTC)
- 5. REMARKS** The course is organized for Central American countries.

**TRADE PROMOTION SEMINAR (1)
(ASIAN AND PACIFIC COUNTRIES)**

Apr. 14, '94 - May 28, '94, 12 participants

貿易振興セミナー(1)(アジア・太平洋諸国) J-94-03207

- PURPOSE** The main purpose of the seminar is to inform the participants of recent knowledge and background information in the field of international trade, particularly emphasizing the successful cases made by the Japanese enterprises and organizations, so that the participants can find out effective measures to expand their own export in the future.
- MAIN FEATURES OF CURRICULUM** The main themes of this seminar are: (1) acquisition of the accurate knowledge and necessary information about the successful development of trade by Japanese enterprises (2) analysis of the current situation and problems of his/her own country's trade promotion (3) research paper writing on "How to increase/promote my country's export - A study of Japanese Market"
- QUALIFICATION OF APPLICANT** (1) university graduate or equivalent (2) under 40 years of age (3) senior official who belongs to governmental or semi governmental organizations (e.g. trade promotion organization) with more than five years of practical experience in the administration of international trade
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) World Trade Centre of Japan, Inc. (WTC)
- REMARKS** This course is organized for Asian and Pacific countries.

**TRADE PROMOTION SEMINAR (2)
(AFRICAN, MIDDLE-EASTERN AND CARIBBEAN COUNTRIES) II**

Oct. 25, '94 - Dec. 8, '94, 10 participants

貿易振興セミナー(2)(アフリカ・中近東・カリブ諸国) II J-94-03208

- PURPOSE** The main purpose of this seminar is to inform the participants of recent knowledge and background information in the field of international trade in connection with Japan and the Japanese, directly and indirectly stressing some successful export promotion cases executed by Japanese enterprises and organizations. Through this knowledge and information, the participants can figure out effective measures to expand the volume of their own exports in the future.
- MAIN FEATURES OF CURRICULUM** The main themes of this seminar are: (1) acquisition of the accurate knowledge and necessary information about the successful development of trade by Japanese enterprises (2) analysis of situation/problems of his/her own country's trade promotion (3) research paper writing on "How to Penetrate into Japanese Market - Improvement of Product or Selection of Suitable Distribution Channels"
- QUALIFICATION OF APPLICANT** (1) university graduate or equivalent (2) senior official who belongs to governmental or semi governmental organizations (e.g. trade promotion organization) with more than five years of practical experience in the administration of international trade (3) under 40 years of age
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) World Trade Centre of Japan, Inc. (WTC)
- REMARKS** This course is organized for African, Middle-Eastern and Caribbean countries.

MECHATRONICS

May 9, '94 - Feb. 26, '95, 8 participants

メカトロニクス訓練 J-94-03058

- PURPOSE** The purpose of this training course is to offer skill improvement training to personnel in the categories listed below who are currently involved in machining technology and who wish to acquire comprehensive knowledge, skills and techniques related to mechatronics technology. The course further aims to impart to them an understanding of the present situation of mechatronics in Japanese industry through on-site observation and the like and to build in them an awareness of the importance of creating in related industries an environment supportive of this specialist technology. With this knowledge it is hoped participants will be in a position to contribute to the human resources development of their home countries. (1) Mid-level instructors teaching mechanics and machining techniques at vocational training schools (2) Mid-level teachers of mechanics and machining techniques at technical high schools (3) Engineers and technicians in equivalent positions. Participants should be intending to resume their activity in this field after completion of the course.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on workshop practice and introduction of Japanese experience. The main themes are: (1) production engineering (2) machining technology (3) control technology (4) XY table production and assembly
- QUALIFICATION OF APPLICANT** (1) instructor at technical high school or vocational training school in the field of mechanical or machining technology (a) only applicable to the persons who have completed all the basic mechanical subjects, the person of the electrical fields will be excluded from its application (2) university graduate or equivalent (3) between 30 and 40 years of age
- TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Osaka Prefectural Higashi-Yodogawa Advanced Vocational Training School (HAVOT)
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for two weeks.

AUTOMOTIVE MAINTENANCE ENGINEERING

Aug. 8, '94 - July 1, '95, 10 participants

自動車整備技術 J-94-03106

- PURPOSE** The course is designed for instructors of vocational training and leading counterpart of JOCV's automobile maintenance training projects, in order to upgrade their knowledge and skills in automotive maintenance engineering.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on workshop practices and lectures. The main themes are: (1) outline of related engineering (materials, electrical/electronics technology, measurement technique, drafting, welding, metal sheet processing, painting, etc.) (2) outline of automotive engineering (structure of internal combustion engine, chassis, and electrical equipment) (3) automotive maintenance engineering (vehicle inspection, disassembly and assembly of gasoline engine and diesel engine, processing of engine, disassembly and assembly of chassis and electric equipment, electric fuel injection system maintenance) (4) management technique (workshop management, supervisory training, personal computer, vocational training methods safety and hygiene)
- QUALIFICATION OF APPLICANT** (1) instructors of vocational training and leading counterpart of JOCV volunteers of automotive maintenance, or those who are engaged in automotive maintenance services, occupying a supervisory post in the related field or expected to assume such post in the future, with practical experience of at least five years (2) over 25 and under 35 years of age (3) graduate of technical high school or equivalent
- TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Employment Promotion Corporation Kyoto Polytechnic Center
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for four weeks.

REMOTE SENSING TECHNOLOGY (ADVANCED)

Oct. 18, '94 - Nov. 30, '94, 5 participants

リモートセンシング技術(上級)

J-94-03064

- PURPOSE** The purpose of the course is to introduce the application technologies and advanced digital processing technologies covering remote sensing data.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on workshop using computers. The following are the major subjects to be covered in the course. (1) lectures (2) practice of digital analysis (a) analysis by personal computers (b) analysis with digital image processing systems (c) field evaluation of the results (3) observation study
- QUALIFICATION OF APPLICANT** (1) university graduate, or equivalent with a fundamental knowledge of physics and mathematics, (2) researchers or engineers in remote sensing application fields, such as country planning, agriculture, forest management and mapping, (3) under 45 years of age, (4) person of having completed the JICA Group Training Course in remote sensing technology (fundamental) or having experienced investigation or activities in remote sensing application for more than 3 years.
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Remote Sensing Technology Center of Japan

CULTURAL ASSET PRESERVATION AND RESTORATION TECHNOLOGY

Jan. 16, '95 - July 16, '95, 6 participants

文化財修復整備技術

J-94-03156

- PURPOSE** To make a contribution to the preservation and restoration of remains in the world in the light of the present conditions by introducing participants of each country the cultural asset preservation and restoration technology which has been accumulated historically in Kyoto blessed particularly with abundant cultural assets in Japan, and hence to improve various relevant technologies in developing countries and contribute to the advancement of cultural asset preservation and restoration.
- MAIN FEATURES OF CURRICULUM** The course consists of a 2-month common programme for all participants and a following 3-month specialized training programme prepared individually to meet each participant's interest. Each participant is to choose one of the following subjects for their specialized training programme. (1) arts and crafts (2) preservation science/reproduction technology (3) buildings and townscapes (4) buried cultural assets (5) gardens and historical remains
- QUALIFICATION OF APPLICANT** (1) leading technical experts with at least three years' experience in the field of cultural asset preservation and restoration technology (2) under 40 years of age
- TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) The Agency for Cultural Affairs (3) Faculty of Engineering and Faculty of Agriculture, Kyoto University (4) Kyoto National Museum, ACA (5) Kyoto City International Foundation
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for four weeks.

MUSEUM MANAGEMENT TECHNOLOGY (COLLECTION, PRESERVATION, EXHIBITION)

Sep. 26, '94 - Mar. 19, '95, 7 participants

博物館技術(収集、保存、展示)

J-94-03232

- PURPOSE** The purpose of this course is to provide comprehensive knowledge on the role and function of contemporary museums both in theory and practice, in order to train experts who are expected to take leading roles in administration and management of museums which will contribute to the promotion of tourism and will be the center of educational and cultural activities.
- MAIN FEATURES OF CURRICULUM** This course includes lectures and practices on the role and function of modern museums by introducing accumulated knowledge and experience in Japan, as follows: (1) introduction of museology, (2) filing and recording, (3) exhibition technique, (4) preservation, (5) public relation and educational activity, (6) facilities and equipments.
- QUALIFICATION OF APPLICANT** (1) expert with at least 3 years of experience in the field of management and administration of museums, (2) university graduate or person with equivalent technical qualification in the field, (3) between 25 and 45 years of age.
- TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) National Museum of Ethnology.
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for four weeks (95 hours).

SEMINAR FOR SENIOR OFFICERS IN MENTAL HEALTH CARE

Aug. 22, '94 - Sept. 11, '94, 6 participants

精神医療指導者研修

J-94-03149

- PURPOSE** This seminar is designed to provide participants with an opportunity to have a comprehensive understanding of Japanese mental health services and to help psychiatrists of the participating countries define appropriate psychiatric models for their own countries.
- MAIN FEATURES OF CURRICULUM** This seminar puts an emphasis on discussion; presenting experience of Japan for a case study. The main themes are: (1) legislation, including the mental health law, the medical law and other laws relevant to psychiatry (2) mental health service system and the health insurance system (3) present situation of comprehensive community mental health services (4) alcohol dependency programmes
- QUALIFICATION OF APPLICANT** (1) psychiatrists directly involved in mental health and in oppositions to lead the mental health services of their countries (2) able to freely exchange knowledge and opinions with others, and intend to remain in the field of mental health
- TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) Japanese Association of Psychiatric Hospitals (JAPH)

PATHOLOGY OF GASTROINTESTINAL CANCER

Aug. 30, '94 - Nov. 25, '94, 10 participants

消化器癌病理学

J-94-03119

- PURPOSE** The purpose of the course is to introduce participants to recent techniques in the study of gastroenterology, especially gastrointestinal pathology, so that they will gain broader perspectives and clues for their future research as well as the diagnoses techniques.
- MAIN FEATURES OF CURRICULUM** This course consists of common curriculum for all participants and specific practical training for each participant, to cover the following themes respectively: (1) recent gastrointestinal pathology in Japan (common curriculum mainly made up of lectures, seminars and conferences at university) (2) histological diagnosis of surgical specimens (practical training at designated hospital)
- QUALIFICATION OF APPLICANT** (1) established pathologist (2) university graduate or equivalent
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Tokyo Medical and Dental University Faculty of Medicine, Pathology Department

LEPROSY RESEARCH

Jan. 16, '95 - Dec. 17, '95, 5 participants

ハンセン病医学研究

J-94-03076

- PURPOSE** The purpose of the course is to enable participants to pursue further theoretical and experimental studies on leprosy. They will learn up-to-date knowledge and technology indispensable to leprosy control through assigned laboratory research work. The acquired knowledge, technology, and the cultivated research mind will be useful not only for leprosy control but also will contribute to the development of biomedical sciences in their home countries.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on laboratory research work. Each participant is to take one of the following subjects for his/her specific study: (1) serology and seroepidemiology of leprosy and *Mycobacterium leprae* infection (2) development of histopathological techniques for early diagnosis of leprosy (3) kinetics of *M. leprae* with PCR (Polymerase Chain Reaction) (4) cell-mediated immunity of leprosy (5) development of antileprosy chemotherapeutics using nude mice
- QUALIFICATION OF APPLICANT** (1) a medical doctor or a graduate from a faculty of science, pharmacy, agriculture, veterinary medicine, medical technology or equivalent (2) presently engaged in research or clinical work on leprosy in an organization (3) less than 40 years of age
- TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) National Institute for Leprosy Research (NILR)

VIROLOGICAL DIAGNOSIS TECHNIQUE FOR POLIO ERADICATION PROGRAMME

Aug. 15, '94 - Oct. 2, '94, 5 participants

ポリオ根絶計画ウイルス検査技術

J-94-03127

- PURPOSE** The purpose of this training course is to provide the participants with: (1) standard technique of cell culture, (2) standard technique of isolation and typing of poliovirus, (3) introduction to molecular epidemiology of poliomyelitis, and (4) information on the outline of polio vaccine control.
- MAIN FEATURES OF CURRICULUM** In this course the emphasis is put on lectures and laboratory experiments. The main themes are: (1) lecture (a) global eradication of poliomyelitis (b) maintenance and quality control of cell cultures (c) laboratory biosafety etc. (2) practical training (a) preparation of media and cell cultures (b) identification of polioviruses (c) determination of neutralizing antibodies to polioviruses (d) detection of viral antigen and antibody by ELISA (e) amplification of virus genome by PCR etc.
- QUALIFICATION OF APPLICANT** (1) presently a technical staff member of microbiology laboratory
- TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) National Institute of Health (Murayama Annex)

VIROLOGICAL DIAGNOSIS TECHNIQUES OF HIV INFECTION (AIDS)

Jan. 9, '95 - Feb. 26, '95, 8 participants

エイズのウイルス感染診断検査技術

J-94-03185

- PURPOSE** The purpose of the course is to train those who can diagnose precisely HIV infection virologically in laboratory.
- MAIN FEATURES OF CURRICULUM** This course mainly covers the following themes: (1) surveillance of HIV infections (2) introduction to sophisticated technology of virus diagnosis (3) evaluation method of examination kit (4) examination method of pathogens relevant to opportunistic infections
- QUALIFICATION OF APPLICANT** (1) have experience of microbes examination and research, preferably more than two years (2) to be engaged in a crusade against AIDS in future
- TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) National Institute of Health

WORKMEN'S ACCIDENT MEDICAL TREATMENT

Sept. 12, '94 - Dec. 18, '94, 8 participants

労災医療 J-94-03190

- 1. PURPOSE** The purpose of the course is to improve and enhance the system of workmen's accident medical treatment by giving training not only to doctors but to nurses to raise their capability and the standard of medical technology.
- 2. MAIN FEATURES OF CURRICULUM** The programme is designed so that participants deepen the knowledge of this specific field and are able to ameliorate the standard of treatment and rehabilitation of patients as well as emergency medicine. Main subjects are as follows: (1) laws and administration (2) workmen's accident compensation administration (3) treatments and examinations (4) rehabilitation (5) emergency medicine system.
- 3. QUALIFICATION OF APPLICANT** medical doctor or nurse engaged in workmen's accident medical treatment.
- 4. TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) Japan Overseas Health Administration Center (JOHAC)
- 5. REMARKS** (1) A compulsory intensive Japanese language course will be conducted prior to the technical training (2) The course is organized for Pakistan and Egypt.

HOSPITAL PHARMACY

Aug. 23, '94 - Nov. 27, '94, 10 participants

病院薬学 J-94-03218

- 1. PURPOSE** This programme aims to invite those who are presently engaged in hospital pharmacy and to provide them through lectures, practice drills and observations, with knowledge, technology and skills for practical hospital pharmacy.
- 2. MAIN FEATURES OF CURRICULUM** The training programme will provide participants to acquire the knowledge and technology and contents of duties such as dispensing, pharmaceutical preparation, drug testing, drug control, clinical pharmacy, drug information and drug supplying on hospital pharmacists in Japan.
- 3. QUALIFICATION OF APPLICANT** (1) have experience of more than five years in their profession (2) presently engaged in practices of hospital pharmacy (3) recommended by the President of the Association the applicants belong to and/or the President of the institution at which they work (4) under 40 years of age (5) be pharmacists.
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Japan International Medical Technology Foundation (3) Japanese Society of Hospital Pharmacists (4) related institutes
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training 4 weeks (100 hours).

ORAL AND MAXILLOFACIAL RADIOLOGY COURSE

Sep. 5, '94 - Mar. 4, '95, 5 participants

口腔顎顔面放射線診療 J-94-03225

- 1. PURPOSE** The purpose of this course is to upgrade educators and medical specialists in the field of oral and maxillofacial radiology.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on workshop practice at laboratory experiments and introduction of Japanese experience. The main themes are: (1) oral and maxillofacial radiology, (2) radiation physics, (3) radiation biology, (4) photographic chemistry, (5) radiology equipment engineering, (6) radiation control, (7) general image diagnostics.
- 3. QUALIFICATION OF APPLICANT** (1) dentist or doctor specialized in dentistry, (2) person having experience of more than 3 years in this field, (3) under 45 years of age, (4) graduate from university / college of dentistry (medical science).
- 4. TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Faculty of Dentistry, Osaka University.

CONTROL OF ENDEMIC DISEASES (LABORATORY AND FIELD TECHNIQUES IN ECHINOCOCCOSIS/HYDATIDOSIS)

Jan. 12, '95 - Mar. 20, '95, 5 participants

地域流行病対策(エキノコックス症試験検査技術) J-94-03234

- 1. PURPOSE** This course is designed to provide opportunities to obtain basic and practical knowledge and techniques on echinococcosis to researchers and medical technicians who are engaged in this field in its prevalent areas in Latin America on the purpose of improving the situation of public health on the whole.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, laboratory experiments and field work. It mainly covers: (1) measures for echinococcosis in Hokkaido, (2) basic and applied techniques of diagnosis in the laboratory and epidemiological survey, (3) practical training in public health care centers and meat inspection centers, (4) hygiene and medical administration of regional health care.
- 3. QUALIFICATION OF APPLICANT** (1) university graduate or equivalent, (2) being presently engaged in examination or research work of echinococcosis, (3) having over two year experience in this field, (4) over 25 and under 40 years of age.
- 4. TRAINING INSTITUTIONS** (1) Hokkaido Institute of Public Health, (2) Hokkaido Branch Office, JICA.

**INSTRUCTORS TRAINING OF
ESOPHAGEAL VOCALIZATION**

Jan. 10, '95 - Mar. 20, '95, 6 participants

喉摘者発声指導者養成

J-94-03219

- 1. PURPOSE** The purpose of this course is to have participants master the esophageal vocalization method and its instruction method, and consequently to contribute to the promotion of rehabilitation of laryngectomees in their home countries and their reorientation into society.
- 2. MAIN FEATURES OF CURRICULUM** The curriculum consists of step-by-step training of the esophageal vocalization method and lectures upon instruction theory.
- 3. QUALIFICATION OF APPLICANT** (1) laryngectomee, whose larynx has been removed due to laryngeal cancer, etc., (2) currently or expected to be engaged in rehabilitation of laryngectomees, (3) person who finished at least secondary education, (4) under 55 years of age.
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) The Guinrei-Kai Inc. Association

**SEMINAR FOR SENIOR OFFICERS OF NATIONAL
MACHINERIES FOR THE ADVANCEMENT OF WOMEN**

Nov. 8, '94 - Dec. 1, '94, 16 participants

婦人問題国内本部機構上級担当官セミナー J-94-03181

- 1. PURPOSE** The purpose of the seminar can be summarized as follows: (1) To study functions and institutional location of the national machinery for the advancement of women in Japan, (2) To exchange views and information on functions, activities and effectiveness of national machineries in participating countries, (3) To improve knowledge required for establishing or improving national machineries and promoting their activities, and (4) To improve knowledge required for formulating a national plan of action on women.
- 2. MAIN FEATURES OF CURRICULUM** In this seminar, a special theme regarding women's issues is selected as a specific subject each year. The special theme for this year (fiscal 1994) is "women in development" (WID). The seminar covers the following: (1) national machinery for the advancement of women of Japan (a) role of the national machinery (b) formulation and implementation of national plan of action (c) status of women and major women's issues in Japan (2) promotion of "women in development" (WID) (a) Concept of WID (b) Japan's Official Development Assistance (ODA) focusing on WID (3) Country Report. roles of national machineries and WID issues (identification of various problems and measures for the advancement of women) in each participating country
- 3. QUALIFICATION OF APPLICANT** (1) senior officer in charge of national machinery on women's issues (2) university graduate or equivalent (3) have more than five years of occupational experience
- 4. TRAINING INSTITUTIONS** (1) Institute for International Cooperation (IFIC), JICA (2) Office for Women's Affairs, Prime Minister's Office

**SEMINAR ON IMPROVEMENT OF THE STATUS
OF WOMEN FOR GOVERNMENT OFFICERS**

June 27, '94 - July 24, '94, 8 participants

女性の地位向上のための行政官セミナー J-94-03136

- 1. PURPOSE** The purpose of this seminar is to foster government officers capable of promoting comprehensive women's welfare activities based on the principle of "Women in Development", for the purpose of improving the status of women in developing countries.
- 2. MAIN FEATURES OF CURRICULUM** Participants will be able to upgrade their knowledge and capabilities necessary for the management of women's affairs through lectures, discussions and observation. The main themes in the course are: (1) administration and administrative planning of policies for women's affairs (2) policies and administration for women workers (3) nursery system and social welfare policies (4) school education and women's education (5) women in development (6) public health care (7) women and the environment (8) living environment control (9) policies for the advancement of women in farms and the improvement of their living standards
- 3. QUALIFICATION OF APPLICANT** (1) a government officer currently in a post of planning policies for improving the status of women
- 4. TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) Kitakyushu Forum on Asian Women

**SEMINAR ON INDUSTRIAL SAFETY AND
HEALTH**

Sept. 19, '94 - Oct. 30, '94, 18 participants

労働安全衛生セミナー

J-94-03206

- 1. PURPOSE** The purposes of the seminar are to contribute to the upgrading of the industrial safety and health standards in developing countries through the introduction of the present condition of the industrial safety and health administration of the government, as well as that of the relevant activities of the private sector in Japan and to promote mutual understanding and cooperative activities through the exchange of information and opinions regarding actual situations of industrial safety and health, and the related issues in the developing countries.
- 2. MAIN FEATURES OF CURRICULUM** This seminar consists of common subjects for all participants and specialized subjects, for which participants will be divided into the following two groups according to their speciality. (1) safety (safety on electric shock, fire and explosion, boiler and vessel, crane, conveyer, in construction industry, etc.) (2) health (measures for pneumoconiosis, anoxia, back pain, impairment by organic solvent, chemical substances, radiation, heat, noise, vibration, VDT operation, etc.)
- 3. QUALIFICATION OF APPLICANT** (1) governmental official (division head, or section chief) engaged in planning and administration in industrial safety and health, or staff at governmental relevant organizations promoting and guiding the prevention of industrial accidents (2) university/college graduate or equivalent (3) person with experience of five years or more in the field of industrial safety and health or labor standards inspection (4) between 30 and 45 years of age
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Labour Standards Bureau, Ministry of Labour (3) Japan Industrial Safety and Health Association

JICA