

**OIL HYDRAULICS AND ITS APPLICATION**

Oct. 30, '95 - Mar. 21, '96, 7 participants

油圧とその応用

J-95-00415

- PURPOSE** The purpose of the course is to enhance the capabilities of the engineers who have had an experience in the field of oil hydraulics such as designing, manufacturing, operation or maintenance. The knowledge and techniques acquired through the training course will enable participants to: (1) understand the fundamental concept of oil hydraulic engineering from basic components to sophisticated applications, (2) gain fundamental knowledge of applying hydraulic systems to machinery systems, (3) be familiar with comparative ideas of hydraulic systems and pure mechanical, electrical and pneumatic methods.
- MAIN FEATURES OF CURRICULUM** Participants are to attend lectures on the basic subjects such as the construction or various hydraulic components with up-to-date production drawings and many samples of oil hydraulic components. The participants will proceed to practical designing of basic applications through lectures, field trips and observations. The subjects covered in the course are: (1) introduction to oil hydraulics (2) primarily applied hydraulics (3) equipment manufacturers' comments (4) applied hydraulics to machinery system (5) maintenance of hydraulic systems
- QUALIFICATION OF APPLICANT** (1) have occupational experience of planning, design, application or maintenance of hydraulic (2) university graduate or equivalent (3) 35 years of age or less
- TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) Kitakyushu International Techno-cooperative Association
- REMARKS** A compulsory 25 hours Japanese language course will be conducted prior to the technical training.

**INSPECTION AND TESTING TECHNIQUES FOR HOUSEHOLD ELECTRICAL APPLIANCES**

Sep. 19, '95 - Nov. 28, '95, 5 participants

家庭用電気製品検査技師

J-95-00416

- PURPOSE** The purpose of this course is to introduce to the participants inspection and testing techniques for household electrical appliances by providing lectures and practical training, in order to help these countries develop or maintain their industrial product quality and strengthen their competitive positions in the world market. The course is expected to be one of the measures aimed at overcoming the trade imbalance problem.
- MAIN FEATURES OF CURRICULUM** This course consists of lecture, practical training and observation tour. Participants are expected to learn inspection and testing techniques for household electrical appliances through lecture, practical training and observation tour.
- QUALIFICATION OF APPLICANT** (1) testing staff belonging to government inspection organization, or public institution authorized by government inspection organizations, or under the control of the government (2) be with more than three years of occupational experience in the field of testing of household electrical appliances (3) college graduate or equivalent, having majored in electrical, electronics, or mechanical engineering (4) between 25 and 40 years of age
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) International Trade and Industry Inspection Institute, Ministry of International Trade and Industry (3) JMI Institute (4) Japan Electrical Testing Laboratory (JET)

**SHIP SAFETY AND MARINE POLLUTION PREVENTION  
-Implementation of the International Conventions-**

Jan. 9, '96 - Dec. 8, '96, 20 participants

船舶安全・海洋汚染防止

J-95-00464

- PURPOSE** The purpose of the course is to provide participants with fundamental and practical knowledge, and applicable technology in the field of construction, repairing and maintenance of ships, and also in the field of inspection in accordance with requirements of IMO/ILO conventions, and thus to contribute globally to Ship safety and Marine pollution prevention.
- MAIN FEATURES OF CURRICULUM** This course consists of (1) obligatory lectures for all participants, (2) optional lectures for which participants will be divided into 3 groups according to their experience, and (3) optional practical training in (a) ship survey procedure and practice or (b) ship construction, repairing and maintenance. The following major subjects will be covered in the course. (1) obligatory subjects: basic plan and design on ships; hull design; outfitting design on ships; propulsion engines; electric and communication equipment; quality control; international conventions-general. (2) optional subjects (a) for administration officials; implementation and interpretation of international conventions; regulation on ship safety and marine pollution prevention; plan approval procedure; procedures of surveys during construction and periodical surveys. (b) for shipyard engineers; hull construction; outfittings and maintenance of ships; installation and maintenance of main and auxiliary engines; quality assurance; technical standards on tests and examination; hull and machinery damage and countermeasure. (c) for minor shipyard engineers; ship design and construction-general; ship maintenance; quality assurance; ship inspection procedure; ship repairing; implication and interpretation of international conventions.
- QUALIFICATION OF APPLICANT** (1) applicants should be one of the followings: (a) administration officials in the field of ship safety and marine pollution prevention. (ship safety administration officers, ship inspectors, PSC officers, etc.) (b) engineers in the field of shipbuilding and marine engineering. (hull and machinery engineers, owners superintendents, instructors/lectures, etc.) (c) engineers in the field of ship repairing or maintenance. (full and machinery maintenance engineers, etc.) (2) applicants should also be graduate engineers or equivalent, and have at least one year experience of (1) above. (but, this occupational experience is not required for administration officials of (1) (a) above.) (3) not more than 35 years of age.
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Maritime Technology and Safety Bureau, Ministry of Transport (3) Overseas Shipbuilding Cooperation Center (OSCC)
- REMARKS** A compulsory intensive Japanese language course for 200 hours will be conducted prior to the technical training.

**AUTOMOBILE SAFETY AND POLLUTION CONTROL TECHNOLOGY**

May 15, '95 - July 9, '95, 12 participants

自動車の安全・公害対策技術

J-95-00475

- PURPOSE** The purpose of this course is intended for administrative engineers in leading posts to prepare and promote policies and measures for socio-economical growth through motorization, and for specialist in the automotive industry in developing countries. The participants in this course will undergo training of highly specialized contents, such as automotive safety, pollution control, energy problems, and new technology applications. It is hoped that this training will be of help not only to foster specialists in automotive engineering but also to assist the plans and development for the socio-economic growth along with motorization. Applicants are requested to note that the programme of this course does not aim at offering techniques and know-how immediately useful in automobile production and repair work.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on introduction of Japanese experience and basic theories of automobile safety and pollution control technology. The main themes are: (1) motor industry in Japan (2) motorization and infrastructure (3) advanced technology (4) structure, performance of technology (5) practice of automobile performance test.
- QUALIFICATION OF APPLICANT** (1) administrative engineer presently engaged in leading post with at least three years experience in promotion of the motorization and automotive industry (2) university graduate with experience in mechanical engineering (3) over 25 and under 40 years of age
- TRAINING INSTITUTIONS** (1) Tsukuba International Centre (TBIC), JICA (2) Japan Automobile Research Institute Inc. (JARI)

## RENOVATION OF INDUSTRIAL EQUIPMENT

Feb. 19, '96 - July 13, '96, 9 participants

設備のリノベーション

J-95-00488

- PURPOSE** The purpose of this course is to enhance the capability of engineers through learning the basic knowledge to utilize existing equipment and facilities effectively, to find out the capability of the renovation, and to redesign existing equipment by each participant. The course also aims at providing the participants with skills in preparing purchase specifications of improved equipment parts.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on providing the participants with the basic techniques and their application as well as project management which will help them to upgrade their required techniques to improve their operation. The subjects covered in this course are: (1) basic techniques (a) introduction to renovation of industrial equipment (b) computer literacy (c) techniques improving equipment (d) sequence control (e) process control (f) introduction to maintenance (g) maintenance management (h) equipment inspection technique (inspection using five sense, machine condition diagnosis technique) (i) rust prevention and corrosion prevention (j) welding processes (k) selection of materials (l) testing of materials (m) selection of motors and electrical control (n) nondistinctive inspection (o) CAD (2) modification techniques (a) case study of plant design and practice (b) practice in design of heat exchange (c) design of pressure vessels (d) selection of equipment/devices and writing specifications thereof (e) selection of general purpose machines and writing specifications thereof (f) plan and design of piping (g) design of conveyor unit (h) case study of equipment renovation (i) in-plant training
- QUALIFICATION OF APPLICANT** (1) have more than five year's experience in equipment design, construction or maintenance in the field of process industries such as chemical, cement, oil refinery, iron and steel plant (2) university graduate in mechanical or chemical engineering or equivalent (3) 40 years of age or less.
- TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) Kitakyushu International Techno-cooperative Association
- REMARKS** A compulsory 25 hour Japanese language course will be conducted prior to the technical training.

## INSPECTION AND TESTING TECHNIQUE FOR TEXTILE PRODUCTS

Jan. 11, '96 - Mar. 20, '96, 8 participants

繊維製品検査技術

J-95-00417

- PURPOSE** The purpose of this course is to introduce to the participants inspection and testing techniques for textile products by providing lectures and practical training, in order to help these countries develop or maintain their industrial product quality and strengthen their competitive positions in the world market. The course is expected to be one of the measures aimed at overcoming the trade imbalance problem.
- MAIN FEATURES OF CURRICULUM** This course consists of lecture, practical training and observation tour. Participants are expected to learn inspection and testing techniques for textile products through lecture, practical training and observation tour.
- QUALIFICATION OF APPLICANT** (1) testing staff belonging to government inspection organization, or public institution authorized by government inspection organizations, or under the control of the government, with more than three years of occupational experience in the related field (2) college graduate or equivalent, having majored in textile or chemical engineering (3) between 25 and 40 years of age.
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) International Trade and Industry Inspection Institute, Ministry of International Trade and Industry (3) Japan Synthetic Textile Inspection Institute Foundation (4) Japan Spinners Inspection Foundation (5) Japan Knitting Inspection Institute Foundation (6) Japan Wool Products Inspection Institute Foundation

## PACKAGING ENGINEERING

Aug. 29, '95 - Oct. 22, '95, 9 participants

包装技術

J-95-00239

- PURPOSE** The course aims at providing the participants with the opportunity to understand Japan's current technology of packaging, especially focused on "transport packaging" and "consumer (food) packaging", so as to contribute to the economic and social development of the participating countries.
- MAIN FEATURES OF CURRICULUM** The following major subjects will be covered in the course. (1) guidance introduction, the status of packaging in Japan (2) packaging materials (group A: transport packaging techniques, group B: consumer packaging techniques)
- QUALIFICATION OF APPLICANT** (1) packaging engineer presently directly engaged in package industry (2) have more than three years of experience in the relevant field (3) university graduate or equivalent (4) under 40 years of age
- TRAINING INSTITUTIONS** (1) Tokyo International Center (TIC), JICA (2) Japan Packaging Institute (JPI)

## ADVANCED INDUSTRIAL TECHNOLOGY

Aug. 28, '95 - July 28, '96, 5 participants

産業技術研究

J-95-00366

- PURPOSE** This course is to acquaint participants with advanced industrial technology in Japan and to help the participants to develop into researchers capable of carrying out the basic research needed to enhance the research potential of their own countries. It is not the purpose of the course to familiarize the participants with existing technologies that can be immediately applied in their countries, but rather to have them master the method used in conducting basic research.
- 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 23 subjects prepared by the following 9 institutes for their individual research. The institutes are: (1) Mechanical Engineering Laboratory, MEL (2 subjects) (2) National Institute of Materials and Chemical Research, NIMC (5 subjects) (3) National Institute of Bioscience and Human-Technology, NIBH (4 subjects) (4) Geological Survey of Japan, GSI (2 subject) (5) National Institute for Resources and Environment, NIRE (4 subject) (6) National Industrial Research Institute of Nagoya, NIRIN (2 subject) (7) Kyushu National Industrial Research Institute, KNIRI (1 subject) (8) Osaka National Research Institute, ONRI (2 subject) (9) Chugoku National Industrial Research Institute, CNIRI (1 subject)
- QUALIFICATION OF APPLICANT** (1) researcher with a bachelor's degree, capable of carrying out basic research in the field of industrial science and technology (2) presently engaged in research work in the field of industrial science and technology and have occupational experience of more than three years in the said field. Administrative officers are not qualified for this course (3) over 25 and under 35 years of age
- TRAINING INSTITUTIONS** (1) Tsukuba International Centre (TBIC), JICA (2) Agency of Industrial Science and Technology, Ministry of International Trade and Industry
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for four weeks (100 hours).

**INDUSTRIAL POLLUTION CONTROL RESEARCH**

Aug. 21, '95 - Dec. 17, '95, 6 participants

産業公害防止

J-95-00363

- PURPOSE** The purpose of this course is to contribute to upgrading knowledge and techniques of scientists and researchers in the field of pollution control engineering, including computer technology, especially to understand knowledge and techniques in their own speciality through exercise and practical training on each subject in the individual research training.
- MAIN FEATURES OF CURRICULUM** This course consists of common subjects for all participants (2 weeks) and individual training in the laboratory. Each participant is to take one of the following subjects for their individual research: (1) flue gas deNOx technology (2) control technology of SOx & NOx during pulverized coal combustion (3) incineration of industrial waste (4) acquisition and processing of data on atmospheric environment (5) simulation models of air pollution (6) ecological modeling and ecological analysis in coastal environment (7) energy supply analysis and energy technology life cycle assessment (8) catalytic hydrocarbon reactions for air pollution control (9) air purification by solar energy (10) practical measurement of environmental VOC by using gas chromatograph (11) measurement technique of polycyclic aromatic hydrocarbons in atmospheric environment (12) carbon dioxide fixation by artificial photosynthesis (13) biodegradation of chemical substances and application (14) oxidative degradation of organic compounds in wastewater (15) removal of toxic chlorinated compounds in pulp and paper mill effluents (16) advanced techniques for removal of harmful metal ions in effluents and drainages from refineries, mines and factories (17) fluidization of wastes and production of liquid fuel (18) determination of inorganic and/or organic pollutants in water
- QUALIFICATION OF APPLICANT** (1) scientist, a researcher or a university teacher in the field of pollution control technology with more than three years occupational experience. Administrative officers are not qualified for this course. (2) university graduate or equivalent (3) have the knowledge of computer programming with FORTRAN or BASIC languages in the course of simulation technology (4) no more than 40 years of age
- TRAINING INSTITUTIONS** (1) Tsukuba International Centre (TBIC), JICA (2) National Institute for Resources and Environment (NIRE)

**ENERGY MANAGEMENT**

Jan. 22, '96 - June 7, '96, 10 participants

エネルギー管理

J-95-00418

- PURPOSE** The purpose of this course is to upgrade the knowledge and skills of managers and engineers on energy management of administration, so as to conserve energy and mitigate environmental pollution through proceeding energy management effectively and add practical effect to production activities.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is laid on subjects that will help participants to practically and concretely solve the problems in the field of energy management of their own countries. The subjects covered in the course are: (1) introduction of energy management (2) computer literacy (3) basic thermo-dynamics and basic automatic control (4) heat balance and heat measurement (5) basic theory of electricity (6) methodology of energy conservation (7) energy conservation measures for industrial furnaces (8) energy system for environmental pollution control (9) maintenance management and data (10) in-plant training
- QUALIFICATION OF APPLICANT** (1) have energy management experience or will be in charge of energy management in near future (2) university in Japan graduate or equivalent (3) 35 years of age or less (4) have a sufficient command of written and spoken Japanese
- TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) Kitakyushu international Techno-cooperative Association
- REMARKS** This course will be conducted in Japanese.

**ENERGY CONSERVATION**

May 23, '95 - July 13, '95, 13 participants

省エネルギー

J-95-00315

- PURPOSE** The purpose of the course is to provide the participants with information concerning the administrative and technical aspects of Japan's energy conservation, so that they will be able to later use this knowledge in future energy conservation efforts in their own respective countries.
- MAIN FEATURES OF CURRICULUM** In this course, the following major subjects will be covered through lectures, discussions, group case studies, practice and observation trips. (1) Japanese energy conservation policy and the present conservation situation in Japan (2) development of energy conservation and new technology in Japan (3) energy conservation situation in major Japanese industries (4) industrial energy conservation technology (5) methods for promoting energy conservation in industry (6) energy consumption measurement and data analysis (7) group case study presentation of the promotion of energy conservation in a model factory
- QUALIFICATION OF APPLICANT** (1) university/college graduate or equivalent and presently employed in government, governmental institutions, industrial associations, or companies (2) presently engaged in work in the energy field or expected to be engaged in such work after returning to the country
- TRAINING INSTITUTIONS** (1) Tokyo International Center (TIC), JICA (2) Agency of Natural Resources and Energy, Ministry of International Trade and Industry (3) Energy Conservation Center, Japan (ECC)
- REMARKS** Country Reports will be highly utilized both for the selection of participants and for the Comparative Studies.

**HYDRO-ELECTRIC POWER ENGINEERING II  
(FOR ELECTRICAL/MECHANICAL ENGINEERS)**

May 9, '95 - June 24, '95, 9 participants

水力発電II(電気・機械)

J-95-00055

- 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 hydro-electric power industry so that the participants would be able to play their greater role for further progress and advancement of hydro-electric power generation in their respective country.
- MAIN FEATURES OF CURRICULUM** The course is formulated to cover both aspects of "electrical/mechanical engineering" and "civil engineering" alternatively. This year (Japanese Fiscal 1995), electrical/mechanical engineering matters will be focused mainly. The following are the major subjects this year: (1) outline of Japan's electric power industry (2) Japan's government policy and regulation relating to Japan's electric power industry (3) method of planning, designing, construction and operation & maintenance technique of hydro-power stations from the view point of electrical/mechanical engineering
- QUALIFICATION OF APPLICANT** (1) electrical/mechanical engineers who are presently employed by governmental or private hydro-electric power utilities (2) technical college graduate or equivalent and have more than five and less than ten years of practical experience in the field of hydro-electric power engineering
- 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. (4) Electric Power Development Co., Ltd.

**OPERATION AND MAINTENANCE OF  
COAL-FIRED THERMAL POWER PLANTS**

Oct. 10, '95 - Nov. 22, '95, 5 participants

石炭火力発電

J-95-00352

- 1. PURPOSE** The purpose of the course is to provide the participants with the information concerned with the administrative and technical aspects of the coal-fired thermal power engineering in Japan so that the participants, as instructors for operation and maintenance staff, would be able to apply the knowledge obtained in the course for the future development in the said field in their countries.
- 2. MAIN FEATURES OF CURRICULUM** Following subjects are referred in the course; (1) operation and maintenance technique of coal-fired thermal power stations in Japan (2) countermeasures for environmental protection (3) Japan's electric power industry (4) Japan's governmental policy and regulation concerned with coal-fired thermal electric power engineering
- 3. QUALIFICATION OF APPLICANT** (1) electrical and/or mechanical engineers presently employed at governmental institutions or private companies in the field of coal-fired thermal electric power generation and have more than five years of occupational experience in this field (2) 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 Centre, Inc. (4) Electric Power Development Co., Ltd.

**NUCLEAR POWER GENERATION**

Jan. 9, '96 - Mar. 15, '96, 5 participants

原子力発電

J-95-00419

- 1. PURPOSE** The purpose of the course is to provide the participants with general introductory information on the administrative and technical aspects of Japan's nuclear power industry, which includes experience gained through planning, design, construction and operation of nuclear power plants, so that the participants will be able to implement the future development plan of nuclear power in their countries.
- 2. MAIN FEATURES OF CURRICULUM** Major subjects in this course are as follows: (1) lectures (a) outline of nuclear power generation in Japan safety regulation and administration for commercial nuclear power plants (b) major system of boiling water reactor and pressurized water reactor, (c) construction of nuclear power plant, (d) operation and maintenance (2) exercise (a) operation and plant behaviour related to plant start-up, shutdown and accidents, etc. by using a compact simulator (b) maintenance and inspection (non-destructive test)
- 3. QUALIFICATION OF APPLICANT** (1) nuclear, electrical and/or mechanical engineers presently employed at governmental institutions or private companies in the field of electric power generation and have more than three years of occupational experience in this field (2) university graduate or equivalent (3) not more than 40 years of age
- 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) Japan Atomic Power Company (JAPC)

**ELECTRIC POWER MANAGEMENT II**

Sep. 7, '95 - Oct. 23, '95, 11 participants

電気事業経営II

J-95-00153

- 1. PURPOSE** The purpose of the course is to introduce participants to Japan's electric power industry focusing on management methods adopted in Japan for maintaining stable supply of electric power to cope with the increasing power demand.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, which mainly cover the following topics: (1) outline of the electric power industry in Japan (2) power development plan (3) automatic load dispatching system (4) power system planning and operation (5) electricity sales (6) power distribution (7) financial management (8) personnel development and labor management
- 3. QUALIFICATION OF APPLICANT** (1) manager-class engineer in electric power utilities with at least ten years working experience (2) between 32 and 50 years of age
- 4. TRAINING INSTITUTIONS** (1) Nagoya International Training Centre (NITC), JICA (2) Agency of Natural Resources and Energy, Ministry of International Trade and Industry (3) Japan Electric Power Information Center, Inc. (4) Chubu Electric Power Company, Inc.

**ELECTRIC POWER DISTRIBUTION SYSTEM  
MANAGEMENT**

Aug. 28, '95 - Nov. 4, '95, 7 participants

配電システム管理

J-95-00512

- 1. PURPOSE** The purpose of the course is to impart information on administrative and technical aspects of Japan's electric power distribution engineering system so that participants will be able to utilize the knowledge obtained from the course for the future development of this field in their countries. Note: This course deals with distribution systems from secondary sides of distribution substations to service wires and does not cover transmission lines or interior wiring. The voltage of distribution lines is approximately from 6 KV to 22 KV in Japan.
- 2. MAIN FEATURES OF CURRICULUM** This course consists of lectures and visits. The main themes are: (1) outline of electric power industry in Japan (2) management techniques (total quality control, education system, safety measures, etc.) (3) power demand and supply schemes (4) transmission of electrical energy (5) distribution of electrical energy (automatic distribution system, etc.) (6) visits (power stations, factories which produce power distribution apparatus, etc.)
- 3. QUALIFICATION OF APPLICANT** (1) electrical power engineer presently employed at governmental or private electric power utilities in the field of electric power distribution (2) between 30 and 40 years of age (3) technical university graduate or equivalent, and have more than five years of practical experience
- 4. TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Agency of Natural Resources and Energy (3) Japan Electric Power Information Center, Inc. (JEPIC) (4) Kansai Electric Power Co., Inc. (KEPCO)
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for one week.

**COAL SCIENCE AND TECHNOLOGY**

Sep. 25, '95 - Dec. 6, '95, 5 participants

石炭資源開発・利用

J-95-00312

- 1. PURPOSE** The purpose of the training course is to provide participants with advanced knowledge and experience of coal exploration, exploitation, utilization and environmental engineering
- 2. MAIN FEATURES OF CURRICULUM** The course is divided into two sections-introductory and advanced. In the first section, participants are to study the following basic topics: (1) coal geology (2) mining (3) chemistry (4) mechanical engineering for coal utilization (5) environmental engineering. Five series of lectures on advanced topics relevant to the modern coal industry in the mentioned fields will be provided in the second section. Each participant can take one or more series of lectures. Related experimental study is also scheduled. Participants are advised to bring their own problems to study in the laboratories at Kyushu University under the supervision of instructors.
- 3. QUALIFICATION OF APPLICANT** (1) have more than three years' occupational experience in the field of coal science and technology (2) university graduate or equivalent (3) 45 years of age or less
- 4. TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) Kyushu University

**COAL MINING AND PREPARATION**

May 14, '95 - July 21, '95, 5 participants

採炭・選炭技術

J-95-00353

- 1. PURPOSE** The course aims at contributing itself to the technical up-grading of the participating countries, in terms of the coal mining and preparation technology as follows: (1) Productivity and Stable Supply (2) Mine Safety (3) Environmental Protection and Preservation (4) Effective Utilization of Available Resources
- 2. MAIN FEATURES OF CURRICULUM** The course will consist of the following major subjects: (1) lectures (a) coal mining history of Japan and recent technology (b) coal mining industry policy and governmental administration in Japan (c) general and practical technology of coal mining, roadway drilage, coal preparation, central monitoring system, long wall mining, and environmental protection for coal mining (2) observation tours (a) under-ground collieries (b) open-cut mining site (c) manufacturers of related equipment (e.g. fan, pump, cooler, excavator, drum cutter)
- 3. QUALIFICATION OF APPLICANT** (1) university / college graduate who have basic knowledge of coal mining or equivalent (2) mining engineer, preparation engineer or other engineer concerned with coal mining industry who are presently employed at one of the government institutions or private companies in the field of coal mining (3) have more than five years of practical experience (4) between 35 and 45 years of age
- 4. TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) Japan Technical Cooperation Center for Coal Resources Development (JATEC)

**NUCLEAR TECHNOLOGY**

May 9, '95 - June 14, '95, 8 participants

原子力基礎技術

J-95-00303

- 1. PURPOSE** The purpose of the course is to provide scientists and engineers who are engaged in the application of radioisotopes and the operation of nuclear reactors with both fundamental and practical knowledge of nuclear technology for reconfirmation. As technology transfer, this course also aims to instruct them in essential techniques for safe handling of radioisotopes and safe operation and utilization of nuclear reactors.
- 2. MAIN FEATURES OF CURRICULUM** This course mainly consists of common subjects for all participants, group exercises for two sub-groups, and individual practice in accordance with each participant's speciality. The major common subjects (lectures and laboratory exercises) are: (1) basic concepts and experiments (2) radiological protection (3) radiation monitoring (4) radiation and radioisotope application. Participants will be divided into two sub-groups to cover one of the following subjects of laboratory exercises. (A) thermoluminescent dosimeters, neutron measurement and radiography (B) reactor engineering (control rod calibration, reactor operation)
- 3. QUALIFICATION OF APPLICANT** (1) university/college graduate in science or technology, or equivalent (2) working or going to work in organization concerned with nuclear technology fields (3) under 40 years of age
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Japan Atomic Energy Research Institute (JAERI)

**SEMINAR ON NUCLEAR SAFETY AND REGULATION**

Oct. 15, '95 - Nov. 12, '95, 7 participants

原子力安全規制行政セミナー

J-95-00354

- 1. PURPOSE** The purpose of the seminar is to see that lectures and study tours to radiation-using workshops and reactor facilities enable participants to comprehend the Japanese setup of nuclear safety and regulations in general, as well as the work-site system for the safety control of radiation, and that opinions and information are exchanged between countries on matters concerning their immediate problems.
- 2. MAIN FEATURES OF CURRICULUM** In this seminar, the emphasis is put on introduction of Japanese systems by means of lectures and observation trips to various related organizations/facilities. The main themes to be covered in the seminar are: (1) regulations and administration for safety assurance and control in Japan (2) safety control at facilities using radioisotope and reactor.
- 3. QUALIFICATION OF APPLICANT** be senior officer (section head or equivalent) in charge of national nuclear safety and regulation and have at least five years' experiences in the job
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Nuclear Safety Bureau, Science and Technology Agency (3) Japan Atomic Industrial Forum

**GEOTHERMAL ENERGY (ADVANCED)**

Aug. 14, '95 - Dec. 10, '95, 10 participants

地熱エネルギーアドバンス

J-95-00442

- PURPOSE** The purpose of the training course is to provide participants with effective training in the field of science and engineering to enable them to plan, execute and evaluate geothermal development projects for the maximum utilization of the available energy resources, considering environmental conditions.
- MAIN FEATURES OF CURRICULUM** Participants are divided into five groups: geologists, geophysicists, geochemists, drilling engineers and production engineers. All the participants will acquire advanced and comprehensive knowledge of the whole process of development of geothermal energy. Participants are expected to perform the following respective activities according to their specialized fields. (1) geologists: field reconnaissance, emphasis on geologic control of thermal manifestations (2) geophysicists: structural interpretation of the area, definition of the area extent and depth of the reservoir (3) geochemists: construction of a model of the geothermal system under exploration, comprehension of the systematic knowledge of geochemical prospecting methods in different thermal manifestations (4) drilling engineer: command of all the necessary techniques for rational drilling of geothermal wells such as cementing, stimulating and completing high temperature wells (5) production engineer: design and administration of production; distribution of production and reduction wells, control of production and all other related items
- QUALIFICATION OF APPLICANT** (1) either be an ex-participant of JICA Group Training Course in Geothermal Energy at Kyushu University, or have been engaged in the field of geothermal energy development for at least three years (2) leading staff member in their organizations (3) university graduate or equivalent (4) over 25 and under 45 years of age
- TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) Geothermal Research Centre, Faculty of Engineering, Kyushu University (3) Hatchobaru Geothermal Power Station

**MEASURES FOR SMALLER INDUSTRIES II**

May 8, '95 - July 14, '95, 10 participants

中小企業対策II

J-95-00108

- PURPOSE** The purpose of the course is to give the participants some ideas and enable them to devise better measures for the promotion of small businesses in their countries, by introducing Japanese small business and small business policy.
- MAIN FEATURES OF CURRICULUM** This course consists of common subjects for all participants. The main themes are: (1) background of the Japanese economy (2) history and status quo of public policy and programs towards small business-finance, management, technology, subcontracting system, grouping system, internationalization.
- QUALIFICATION OF APPLICANT** (1) university / college graduate, or equivalent (2) under 40 years of age, and occupational experience of more than five years in promotion of small business in governmental organization, financial institution, or cooperative association
- TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Japan International Cooperation Center
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for one week. Writing and Reading proficiency in English is indispensable to make obligatory report on each topic.

**RADIOLOGICAL PROTECTION FOR RADIATION SAFETY OFFICERS AT NUCLEAR FACILITIES**

Jan. 29, '96 - Mar. 7, '96, 5 participants

放射線安全管理実務者

J-95-00482

- PURPOSE** This course is designed for young engineers who are working at facilities or organizations concerned with nuclear energy. The purpose of the programme is to introduce them to beneficial knowledge for safe radiation control derived from recent science and technology, to present ideas and techniques of radiation protection through lectures, laboratory exercises and facility observations, and to contribute to improving the radiation protection system in each participant's home country. It is also anticipated that participants will master the techniques of using radiation measuring equipment.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lecture and exercises in laboratory and field regarding radiation protection. The main themes are: (1) lectures (1 week) (a) orientation of lectures and exercises (b) observation of facilities (Exhibition Center at Oarai Engineering Center) (c) general lectures (i) introduction to radiation protection (ii) basic knowledge of radiation (iii) radiation measuring equipment (iii-1) explanation of radiation measuring equipment (iii-2) statistical counting errors (iii-3) technical introduction to energy spectrum analysis of alpha, beta and gamma radiation (iii-4) measurement of gamma radiation (iv) biological effects of radiation on man and dose limits for radiation protection (v) environmental monitoring (vi) external radiation monitoring for occupational workers (vii) individual monitoring (viii) calibration and maintenance of radiation measuring instruments. (2) laboratory exercises (1 week) (a) radiation measurement practice using ion chamber, GM counter, ZnS (Ag) counter (b) radiation measurement practice using GM counting system (3) field exercises (1 week) (a) maintenance and calibration of radiation monitoring instruments (b) individual monitoring for internal and external exposure (c) environmental radiation monitoring (4) observation tour (1 week) observation tours to relevant facilities for radiation protection as listed below are conducted at the final stage of the course. (a) experimental fast reactor "Joyo" at Oarai Engineering Center, PNC. (b) Japan Atomic Energy Research Institute (JAERI) in Tokai (c) Advanced Thermal Reactor "Fugen" at Tsuruga, PNC. (d) a fabrication plant of radiation measuring equipment
- QUALIFICATION OF APPLICANT** (1) university graduate with basic knowledge of nuclear energy and radiation protection (2) radiation safety engineer who is working at facilities or organization concerned with nuclear energy except medical facilities for one to five years (3) over 23 and under to 35 years of age
- TRAINING INSTITUTIONS** (1) Tsukuba International Centre (TBIC), JICA (2) Power Reactor and Nuclear Fuel Development Corporation (PNC) (3) Tokai Works of PNC (4) Oarai Engineering Center of PNC

**CONSULTANCY SERVICE FOR SMALL INDUSTRIES**

Oct. 23, '95 - Mar. 1, '96, 10 participants

中小企業診断

J-95-00466

- PURPOSE** The purpose of this course is to provide personnel who extend their services to small-scale industries for promoting business efficiency, productivity and profitability with necessary knowledge and techniques to further develop and promote small-scale industries in developing countries.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures dealing mainly with: (1) system and measures for small industries in Japan (2) basic understanding of business management (3) techniques of business diagnosis. At the end of the program, participants will have one week of practical training. They will be divided into two groups to conduct business diagnosis.
- QUALIFICATION OF APPLICANT** (1) assigned to business diagnostic services, management consultancy, and extension services at an organization dealing with development and promotion of small scale industries (2) university graduate or equivalent in this field. In addition, THE BASIC KNOWLEDGE TO PREPARE FINANCIAL STATEMENTS OF A BUSINESS CORPORATION IS PREREQUISITE CONDITION FOR PARTICIPATION IN THIS TRAINING COURSE (3) have at least three years experiences of such activities as mentioned above, having already undergone the basic training on business management (4) between 30 and 45 years of age
- TRAINING INSTITUTIONS** (1) Nagoya International Training Centre (NITC), JICA (2) Aichi Industrial Research Association (3) Small and Medium Enterprise Management Consultants Association of Japan (4) Aichi Small-and-Medium-Sized Enterprise Assistance Center (5) Aichi Institute of Technology (6) other related organizations
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for two weeks (50 hours).

**PRODUCTION MANAGEMENT (THEORY AND PRACTICE ON WORK IMPROVEMENT)**

Oct. 16, '95 - Mar. 2, '96, 8 participants

生産性向上技術

J-95-00340

- PURPOSE** The purpose of the training course is to provide participants with the opportunities to (1) understand technology and techniques accumulated in the Kitakyushu area through its experience and research activities, (2) acquire the knowledge on higher productivity through practical training and plant observations of Japanese factories, (3) introduce and utilize the acquired knowledge and techniques to solve their own problems of production.
- MAIN FEATURES OF CURRICULUM** The subjects covered in the course are: (1) productivity and management techniques (2) typical organization of Japanese companies (3) factors affecting productivity (4) production management (5) value engineering (6) industrial engineering (7) work improvement (8) plant maintenance and total productive maintenance (9) single arrangement and "Poka-Yoke" (prevention of simple mistakes) (10) two-day improvement activity (11) quality control and statistical methods (12) QC circle activity (13) engineering economy (14) SE/OR (15) computer utilization in enterprize (16) CAD system (17) productivity improvement activity (18) basic production planning (19) employee education (20) QC New-7 Tools
- QUALIFICATION OF APPLICANT** (1) have more than 5 years' occupational experience in the field of production management (2) university graduate in engineering or equivalent (3) 40 years of age or less
- TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) Kitakyushu International Techno-cooperative Association
- REMARKS** A compulsory 25 hour Japanese language course will be conducted prior to the technical training.

**SEMINAR ON SHIPBUILDING MANAGEMENT**

Sep. 19, '95 - Nov. 24, '95, 7 participants

造船経営管理セミナー

J-95-00249

- PURPOSE** The purpose of the seminar is to provide the participants with the opportunity to get workable, basic know-how of shipbuilding management, such as the outline of shipbuilding, the control of business activities, and production control in the shipyards, and to exchange information on how to cope with the development of the international conventions, thus contributing to the development of shipbuilding industries in the developing countries.
- MAIN FEATURES OF CURRICULUM** In this seminar, the emphasis is put on introduction of Japanese shipbuilding industries and basic know-how of shipbuilding management through lectures and observation. Another feature of the seminar is the participation in International Symposium on Transportation of Dangerous Goods by Sea and Inland Waterways. The following are the major subjects to be covered in the seminar. (1) outline of shipbuilding industries and management in Japan (2) shipyard management and control of business activities (3) production control in shipyard management (4) introduction and recent trends of IMO convention (5) international cooperation
- QUALIFICATION OF APPLICANT** (1) presently engaged in the field of shipbuilding management in government, public, or private organizations and have more than eight years of occupational experience in this field (2) university graduate or equivalent (3) not less than 35 and not more than 50 years of age
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Maritime Technology and Safety Bureau, Ministry of Transport (3) Overseas Shipbuilding Cooperation Centre (OSCC)

**PRODUCTIVITY MANAGEMENT**

Apr. 10, '95 - June 11, '95, 10 participants

実践的総合生産性向上

J-95-00355

- PURPOSE** The course is designed to update the administrative and managerial skills of personnel who are currently engaged in the administration or management of production, or related job or position.
- MAIN FEATURES OF CURRICULUM** The highlight of the program is the in-plant-practice for productivity improvement. Main topics by lecture: Production control and system, Improvement of total productivity, Implementation of low cost automation, Basic design of training for human resource development. Main practice: Productivity improvement practice in plant
- QUALIFICATION OF APPLICANT** (1) official presently in charge of plant management in manufacturing sector in central or provincial governments or in local bodies, with 5 or more years of experience in this field (2) university graduate or equivalent (3) over 30 and under 40 years of age
- TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) Japan Productivity Center (JPC)

**FOREIGN TRADE DEVELOPMENT FOR LEADERS**

Aug. 28, '95 - Dec. 3, '95, 10 participants

貿易促進のための指導者

J-95-00208

- PURPOSE** The purpose of the course is to provide leading officers of developing countries presently in charge of foreign trade administration with practical knowledge of Japanese market through lectures and observations (field trips). It also provides the knowledge of Japanese historical experience in achieving economic development through trade promotion, as well as Japanese trade practice, thus assisting the participants to figure out effective measures for trade development to Japan.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on introduction of comprehensive knowledge on the following subjects, through lecturer and field trip. (1) theoretical analysis of economic development and trade (2) historical analysis of Japanese experience of economic development (3) role of small and medium scale trading companies (4) multilateral analysis of Japanese market (5) business practice of trade transaction (a) Japanese distribution system (b) consumer behavior (6) trade promotion to Japanese market (7) case study on trade business (a) field trip
- QUALIFICATION OF APPLICANT** (1) university graduate or equivalent with occupational experience of more than three years (2) leading officer in administration of foreign trade (3) no less than 26, and not more than 40 years of age
- TRAINING INSTITUTIONS** (1) Hyogo International Centre (HIC), JICA (2) Kobe International Association (3) Kobe Chamber of Commerce and Industries (4) Kobe University (5) Kobe Customs House, Ministry of Finance
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for 2 weeks (50 hours).

**INTELLECTUAL PROPERTY RIGHTS IN TECHNOLOGY TRANSFERS**

May 8, '95 - Aug. 5, '95, 10 participants

国際知的財産権

J-95-00486

- PURPOSE** This course is intended for specialists who are in a leading post to prepare and promote policies and measures for technology transfer and for the protection of intellectual properties, in developing countries. The participants of this course will undergo the training of highly specialized contents such as legal practices regarding technology transfer and legislation regarding intellectual properties in Japan. It is hoped that this training will be of help not only for fostering specialists in technology trade but also for developing and promoting legal systems for the protection of intellectual properties.
- MAIN FEATURES OF CURRICULUM** This course consists of lectures, tutorial studies and discussions including final Symposium. The main themes are: (1) outline of Japanese law (2) intellectual property right system in Japan (3) legal practices concerning technology transfer (4) various systems regarding technology trade (5) tutorial instruction (6) case study (7) symposium on intellectual property rights (a) Participants are requested to report on the hot issue regarding the trend of intellectual property rights in their countries
- QUALIFICATION OF APPLICANT** (1) senior administrators directory in charge of legislation of intellectual property rights or in charge of policy making, or in the position of making technical suggestion in their fields with practical experience of at least 3 years in this field. (2) under 45 years of age
- TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Kyoto Comparative Law Center
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for one week (25 hours).

**SEMINAR ON COMPREHENSIVE TOURISM II**

Oct. 10, '95 - Dec. 3, '95, 18 participants

総合観光セミナーII

J-95-00070

- PURPOSE** The purpose of this seminar is to provide a more comprehensive understanding of tourism by sharing the Japanese experience concerning tourism development and promotion with participating countries, and thus contribute to investigating a more sound development of tourism in participating countries.
- MAIN FEATURES OF CURRICULUM** In this seminar, the emphasis is put on introduction of Japanese experience in various aspects of tourism promotion including preservation of tourism resources. The following major subjects will be covered in the seminar. (1) tourism policy and administration in Japan (2) tourism industries and international tourism promotion in Japan (3) current situation and problems of international tourism promotion in participating countries (4) preservation of natural and cultural tourism resources and tourism promotion
- QUALIFICATION OF APPLICANT** (1) university graduate or equivalent (2) presently engaged in tourism promotion activities in the governmental or other public tourism organizations with the occupational experience of more than three years (3) between 25 and 40 years of age
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Department of Tourism, Transport Policy Bureau, Ministry of Transport (3) International Tourism Development Institute of Japan (ITDIJ)

**INTENSIVE JAPANESE LANGUAGE (A)**

Oct. 26, '95 - May 13, '96, 8 participants

日本語専修(A)

J-95-00421

- PURPOSE** The purpose of this course is to provide Japanese language training for those who are directly or indirectly related to technical cooperation project of JICA, so that they will (1) facilitate better communication with JICA experts in Japanese (2) promote smoother and more effective implementation of JICA cooperation projects (3) understand Japanese people, society and culture
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, practice and field trips. The main themes are: (1) writing practice of Hiragana, Katakana, and Kanji (Chinese Character) (2) pronunciation (3) basic sentence structure (4) conversation (5) reading and composition skills
- QUALIFICATION OF APPLICANT** (1) presently engaged directly or indirectly in JICA's cooperation programmes (2) university graduate or equivalent (3) under 30 years of age
- TRAINING INSTITUTIONS** Okinawa International Centre (OIC), JICA

**INTENSIVE JAPANESE LANGUAGE (B)**

Oct. 26, '95 - May 13, '96, 8 participants

日本語専修(B)

J-95-00422

- PURPOSE** The purpose of this course is to provide Japanese language training for those who are directly or indirectly related to technical cooperation project of JICA, so that they will (1) facilitate better communication with JICA experts in Japanese (2) promote smoother and more effective implementation of JICA cooperation projects (3) understand Japanese people, society and culture
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, practice and field trips. The main themes are: (1) writing practice of Hiragana, Katakana, and Kanji (Chinese Character) (2) pronunciation (3) basic sentence structure (4) conversation (5) reading and composition skills
- QUALIFICATION OF APPLICANT** (1) presently engaged directly or indirectly in JICA's cooperation programmes (2) university graduate or equivalent (3) under 30 years of age
- TRAINING INSTITUTIONS** Okinawa International Centre (OIC), JICA



**PRODUCTION OF AUDIO VISUAL COMMUNICATIONS MEDIA (A)**

May 18, '95 - Sep. 8, '95, 9 participants

視聴覚メディア制作(A)

J-95-00437

- 1. PURPOSE** The purpose of this course are (1) to introduce basic theory and technique of audiovisual technology in human communication to the participants who are working in area of production and utilization of the audiovisual media (2) to enhance the effective application of audiovisual media in human communication by the participants' organizations
- 2. MAIN FEATURES OF CURRICULUM** The emphasis of this course is put on the basic production skills of audiovisual media. Main subjects covered in the course are: (1) basic theories in audiovisual communications media (2) basic video (3) desk top publishing (4) slide (5) other presentation media (6) final production
- 3. QUALIFICATION OF APPLICANT** (1) Must be a person who plays a role in planning, production and utilization of audiovisual media with two to four years of experience. This course is not designed for those who are working in television stations. (2) university graduate or equivalent (3) under 35 years of age
- 4. TRAINING INSTITUTIONS** Okinawa International Centre (OIC), JICA

**PRODUCTION OF AUDIO VISUAL COMMUNICATIONS MEDIA (B)**

Jan. 11, '96 - May 3, '96, 9 participants

視聴覚メディア制作(B)

J-95-00491

- 1. PURPOSE** The purposes of this course are (1) to introduce basic theory and technique of audiovisual technology in human communication to the participants who are working in area of production and utilization of the audiovisual media (2) to enhance the effective application of audiovisual media in human communication by the participants' organizations
- 2. MAIN FEATURES OF CURRICULUM** The emphasis of this course is put on the basic production skills of audiovisual media. Main subjects covered in the course are: (1) basic theories in audiovisual communications media (2) basic video (3) desk top publishing (4) slide (5) other presentation media (6) final production
- 3. QUALIFICATION OF APPLICANT** (1) must be a person who plays a role in planning, production and utilization of audiovisual media with two to four years of experience. This course is not designed for those who are working in television stations. (2) university graduate or equivalent (3) not more than 40 years of age
- 4. TRAINING INSTITUTIONS** Okinawa International Centre (OIC), JICA

**VIDEO PRODUCTION (FOR INSTRUCTIONAL, TRAINING AND PROMOTIONAL ACTIVITIES)**

Aug. 24, '95 - Dec. 21, '95, 9 participants

ビデオ制作

J-95-00473

- 1. PURPOSE** The course is designed to help participants acquire fundamental knowledge and skills of production and utilization of video media for educational training and its diffusion in developing countries.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on the video program production. The main themes are: (1) Basic theory of audiovisual communication (2) case study of utilization of video media (3) technique of video materials and production (4) exercises (5) observation
- 3. QUALIFICATION OF APPLICANT** (1) has been engaged in planning, production and utilization of video media in public institution. This course is not designed for those who are working in television stations. (2) has 2 to 5 years experience (3) under 35 years of age (4) university graduate or equivalent
- 4. TRAINING INSTITUTIONS** Okinawa International Centre (OIC), JICA

**PRACTICE OF SCIENCE EDUCATION**

Sep. 18, '95 - Nov. 5, '95, 6 participants

科学教養実技

J-95-00460

- 1. PURPOSE** The course is designed to enable the participants, who teach science in junior high and high schools or who belong to education research institutes (university) and science education centers to understand the essentials of the latest technology for teaching science. After completion of this course, participants will be able to use the simple science equipment according to the basic principles of science education and formulate suitable test questions for science activities.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on report presentation, lectures which introduce Japanese experience and basic theories of science education, and workshop practice of science education. It mainly covers: (1) basic principles of science (2) practice concerning physics, chemistry, biology, earth science and educational technology
- 3. QUALIFICATION OF APPLICANT** (1) be presently engaged in teaching science at a secondary school or investigating the same at an institute/university/college. Be in a promising position in science education. Administrative officers are not qualified for this programme. (2) university graduates or equivalent (3) be not more than 35 years of age.
- 4. TRAINING INSTITUTIONS** (1) Chugoku Branch Office, JICA (2) Faculty of School Education, Hiroshima University (3) Faculty of Education, Hiroshima University (4) Education Center, Hiroshima Prefecture (5) Education Center, Hiroshima City

**SEMINAR ON TRAINING SPECIALIST FOR SUPERVISORS II (FOCUSED ON IN-HOUSE TRAINING)**

May 22, '95 - July 16, '95, 10 participants

監督者訓練専門家セミナーII

J-95-00016

- 1. PURPOSE** The seminar is designed to contribute to the development of the ability of key personnel of in-house training engaged in planning and conducting the training for supervisors, foremen and workers of manufacturing industries in participating countries, by introducing to the participants, Japanese system of the training for supervisors and by providing them with necessary knowledge and information concerned.
- 2. MAIN FEATURES OF CURRICULUM** In this seminar, the necessary emphasis is placed upon the practical knowledge of the training for supervisors, Japanese in-plant training system, the training methods of the in-plant training corresponding to the technological innovations, and the ability to pick up the idea to develop the training for supervisors, suited to the training need of the participating countries through lectures and discussions on the outline of human resources development in Japan and the training for supervisors in Japan, and through the observation tours of the related facilities and organizations.
- 3. QUALIFICATION OF APPLICANT** (1) university graduate or equivalent (2) training specialist concerned with planning and conducting the in-house training designed for foremen and other first line supervisors, etc. (3) more than one year's working experience in the said position with the expectation to work in the same position in the future (4) between 30 and 45 years of age
- 4. TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) Human Resources Development Bureau, Ministry of Labour

**SEMINAR ON TRAINING MANAGEMENT IN VOCATIONAL TRAINING INSTITUTIONS**

Aug. 21, '95 - Oct. 15, '95, 10 participants

職業訓練管理セミナー

J-95-00345

- 1. PURPOSE** The purpose of this seminar is to introduce to the participants the current situation of the human resources development administration, and the management of vocational training institutions in Japan, and to provide them with an opportunity for making a comparative study on management and programming of vocational training between Japan and their countries as well as among the participating countries, and thereby to contribute to the improvement of vocational training in each country.
- 2. MAIN FEATURES OF CURRICULUM** To achieve the above purpose, the following major subjects have been carefully selected, so that the participants will acquire the understanding necessary to apply and/or to make recommendations for the improvement of vocational training institutions in their countries. (1) the economic, social and historical background and the present situation as well as the human resources development administration in Japan (2) the management of vocational training institutions and facilities, such as human management, operation management and physical management (3) programming of vocational training, such as training needs and development of training courses (4) the management of vocational training institutions and facilities in the participating countries
- 3. QUALIFICATION OF APPLICANT** (1) headship being presently engaged in management of a vocational training institution, with the expectation to continue to work in the same field (2) between 30 and 50 years of age
- 4. TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) Human Resources Development Bureau, Ministry of Labour

**SEMINAR ON HUMAN RESOURCES DEVELOPMENT ADMINISTRATION**

Nov. 6, '95 - Dec. 10, '95, 15 participants

職業能力開発行政セミナー

J-95-00346

- 1. PURPOSE** The purpose of the seminar is to introduce to the participants the current situation of human resources development administration in Japan specifically placing emphasis on vocational training, and to provide them an opportunity of making a comparative study on the said field between Japan and the participating countries as well as among their countries, and thereby to contribute to the improvement of the human resources development administration in the respective countries.
- 2. MAIN FEATURES OF CURRICULUM** To achieve the above purpose, the following major subjects have been carefully selected, so that the participants will acquire the understanding necessary to apply and/or to make recommendations for the improvement of human resources administration in their countries. (1) the economic, social and historical background and the present situation concerning the human resources development administration in Japan (2) establishment of training policy and strategy for human resources development administration in Japan (3) general methods of management and operation of various types of vocational training institutions in Japan (4) present situation of human resources development in enterprises (5) human resources development administration among the participating countries
- 3. QUALIFICATION OF APPLICANT** (1) at least a director of the department in the central government who is presently engaged in the human resources development administration (2) between 35 and 50 years of age
- 4. TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) Human Resources Development Bureau, Ministry of Labour

**ADVANCED TECHNOLOGY OF AUTOMATIC CONTROLS FOR ROBOTS (FOR VOCATIONAL TRAINING INSTITUTORS)**

Aug. 21, '95 - Feb. 18, '96, 5 participants

ハイテクロボット制御(職業訓練指導員)

J-95-00313

- A: DYNAMIC BEHAVIOR ON LARGE SCALED FLOATING OFFSHORE STRUCTURE SUBJECTED TO SEA WAVES AND SEAQUAKES**  
**B: PRODUCT DESIGN**
- 1. PURPOSE** The purpose of this course is to provide senior instructors of vocational training institutes with an opportunity to acquire up-to-date technology and knowledge in the field of controls for robot.
  - 2. MAIN FEATURES OF CURRICULUM** This course covers the following topics. (1) sensor devices (2) measuring and control (3) small motors and their control technology (4) speed control induction motor (5) sequence control technique (6) computer application technology (7) power electronics
  - 3. QUALIFICATION OF APPLICANT** (1) university graduate or equivalent (2) engaged in vocational training/education (3) more than 3 year experience in the said field, and not more than 40 years of age
  - 4. TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) Polytechnic University, Employment Promotion Corporation
  - 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for four weeks (100 hours).

**VOCATIONAL TRAINING INSTRUCTORS  
(INFORMATION AND COMPUTER ENGINEERING)**

Apr. 10, '95 - Dec. 24, '95, 10 participants

職業訓練指導員(情報工学)

J-95-00504

- 1. PURPOSE** The purpose of this course is placed at providing participants engaged in vocational/technical profession with requisite technology and information available in Japan in the form of group training, so that they could share the outcomes of the training to the enhancement of technical standard and productivity in their respective countries.
- 2. MAIN FEATURES OF CURRICULUM** This course is conducted in combination of lecture and practice and mainly covers: (1) basics of software (2) basics of hardware (3) software design (4) information processing engineering (5) logical circuit.
- 3. QUALIFICATION OF APPLICANT** (1) presently engaged in teaching information and computer engineering or related field at such facilities as vocational training center, college, university, or research institute (2) university graduate with at least three years of occupational experience in this field (3) not less than 25 and not more than 35 years of age (4) not be serving in the military.
- 4. TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) Polytechnic University, Employment Promotion Corporation
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for five weeks (125 hours).

**VOCATIONAL TRAINING INSTRUCTORS  
(ARCHITECTURAL ENGINEERING)**

Apr. 10, '95 - Dec. 24, '95, 5 participants

職業訓練指導員(建築工学)

J-95-00377

- 1. PURPOSE** The purpose of this course is placed at providing participants engaged in vocational/technical profession with requisite technology and information available in Japan in the form of group training, so that they could share the outcomes of the training to the enhancement of technical standard and productivity in their respective countries.
- 2. MAIN FEATURES OF CURRICULUM** This course is conducted in combination of lecture and practice and mainly covers: (1) production system of construction (2) spatial structures (3) building materials (4) seismic engineering (5) pre-fabricated construction system
- 3. QUALIFICATION OF APPLICANT:** (1) presently engaged in teaching architectural engineering or related field at such facilities as vocational training center, college, university, or research institute (2) university graduate with at least three years of occupational experience in this field (3) not less than 25 and not more than 35 years of age
- 4. TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) Polytechnic University, Employment Promotion Corporation
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for five weeks (125 hours).

**VOCATIONAL TRAINING INSTRUCTORS  
(ELECTRONIC ENGINEERS) II**

Apr. 10, '95 - Dec. 24, '95, 11 participants

職業訓練指導員(電子工学)II

J-95-00378

- 1. PURPOSE** The purpose of this course is placed at providing participants engaged in vocational/technical profession with requisite technology and information available in Japan in the form of group training, so that they could share the outcomes of the training to the enhancement of technical standard and productivity in their respective countries.
- 2. MAIN FEATURES OF CURRICULUM** This course is conducted in combination of lecture and practice and mainly covers: (1) analogue and digital electronic circuits (2) power electronic engineering (3) automatic control (4) optical electronic (5) electro magnetic wave propagation (6) physics of semi-conductor devices
- 3. QUALIFICATION OF APPLICANT** (1) presently engaged in teaching electronic engineering or related field at such facilities as vocational training center, college, university, or research institute training center as professor or teacher (2) university graduate with at least three years of occupational experience in this field (3) not less than 25 and not more than 40 years of age
- 4. TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) Polytechnic University, Employment Promotion Corporation
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for five weeks (125 hours).

**VOCATIONAL TRAINING INSTRUCTORS  
(MECHANICAL ENGINEERING FOR INDUSTRY)**

Apr. 10, '95 - Dec. 24, '95, 7 participants

職業訓練指導員(産業機械工学)

J-95-00434

- 1. PURPOSE** The purpose of this course is placed at providing participants engaged in vocational/technical profession with requisite technology and information available in Japan in the form of group training, so that they could share the outcomes of the training to the enhancement of technical standard and productivity in their respective countries.
- 2. MAIN FEATURES OF CURRICULUM** This course is conducted in combination of lecture and practice and mainly covers: (1) basic concepts of material for engineering (2) selection, operation and maintenance of pumps (3) automotive mechanism (4) hydraulics (5) stress measurement (6) internal combustion engines
- 3. QUALIFICATION OF APPLICANT:** (1) presently engaged in teaching mechanical engineering for industry or related field at such facilities as vocational training center, college, university, or research institute (2) university graduate with at least three years of occupational experience in this field (3) not less than 25 and not more than 40 years of age
- 4. TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) Polytechnic University, Employment Promotion Corporation
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for five weeks (125 hours).

**VOCATIONAL TRAINING INSTRUCTORS  
(MECHANICAL ENGINEERING FOR PRODUCTION)**

Apr. 10, '95 - Dec. 24, '95, 8 participants

職業訓練指導員(生産機械工学)

J-95-00435

- 1. PURPOSE** The purpose of this course is placed at providing participants engaged in vocational/technical profession with requisite technology and information available in Japan in the form of group training, so that they could share the outcomes of the training to the enhancement of technical standard and productivity in their respective countries.
- 2. MAIN FEATURES OF CURRICULUM** This course is conducted in combination of lecture and practice and mainly covers: (1) machining technology (2) precision measurement (3) deformation on processing (4) numerical control equipment (5) material testing
- 3. QUALIFICATION OF APPLICANT** (1) presently engaged in teaching mechanical engineering for production or related field at such facilities as vocational training center, college, university, or research institute (2) university graduate with at least three years of occupational experience in this field (3) not less than 25 and not more than 35 years of age
- 4. TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) Polytechnic University, Employment Promotion Corporation
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for five weeks (125 hours).

**VOCATIONAL TRAINING INSTRUCTORS  
(PRODUCTS DESIGN AND WOOD WORK ENGINEERING)**

Apr. 10, '95 - Dec. 24, '95, 5 participants

職業訓練指導員(造形工学)

J-95-00436

- 1. PURPOSE** The purpose of this course is placed at providing participants engaged in vocational/technical profession with requisite technology and information available in Japan in the form of group training, so that they could share the outcomes of the training to the enhancement of technical standard and productivity in their respective countries.
- 2. MAIN FEATURES OF CURRICULUM** This course is conducted in combination of lecture and practice and mainly covers: (1) properties of wood (2) woodworking system in production (3) new artificial materials (4) practice on CAD (5) digital image processing
- 3. QUALIFICATION OF APPLICANT** (1) presently engaged teaching in industrial design engineering or related field at such facilities as vocational training center, college, university, or research institute (2) university graduate with at least three years of occupational experience in this field (3) not less than 25 and not more than 40 years of age
- 4. TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) Polytechnic University, Employment Promotion Corporation
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for five weeks (125 hours).

**REMOTE SENSING TECHNOLOGY  
(FUNDAMENTAL)**

Apr. 11, '95 - June 22, '95, 8 participants

リモートセンシング技術(基礎)

J-95-00219

- 1. PURPOSE** The purpose of the course is to transfer fundamental knowledge and technology on satellite remote sensing, mainly focused on digital analysis, to the researchers and engineers from developing countries, through lectures, practices, field trips, and so on.
- 2. 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) basic theory (2) sensor satellite (3) image processing (4) application (5) ground truth (6) workshop: digital image analysis, geometric correction and GIS, personal computer processing, personal computer system and programming
- 3. QUALIFICATION OF APPLICANT** (1) university graduate, or equivalent with a fundamental knowledge of physics and mathematics (2) researcher or engineer in remote sensing application fields, such as country planning, agriculture, forest management and mapping (3) under 35 years of age
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Remote Sensing Technology Center of Japan

**ENZYME TECHNOLOGY**

Apr. 10, '95 - Oct. 13, '95, 5 participants

酵素工学

J-95-00248

- 1. PURPOSE** The purpose of the course is to introduce to participants knowledge and techniques required for microbial enzyme technology such as cultivation of microorganisms, production & purification of enzymes and properties & action of enzymes, through lectures, experiments and observations, (Note that the course is focused on introducing basic knowledge and techniques of microbial enzyme technology, and is not intended to provide participants with knowledge and techniques of food processing resulting from application.)
- 2. MAIN FEATURES OF CURRICULUM** This course consists of common subjects for all participants and individual research work at laboratory. Each participants is to take one of the following subjects for his/her individual research: (1) microbial conversion of aromatic compounds (2) study on levan-degrading enzyme (3) synthesis of glycolipids by enzymic action (4) study on digestion of raw starch with amylase (5) study on the applied uses of micro-algae
- 3. QUALIFICATION OF APPLICANT** (1) master's degree, or bachelor's degree with as much academic knowledge and technical experience as the former, and major in biochemistry, fermentation Technology or applied microbiology (2) between 25 and 35 years of age (3) more than three years experience in fermentation technology or enzyme technology
- 4. TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Osaka Municipal Technical Research Institute (OMTRI)
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for two weeks.

**BIOTECHNOLOGY**

Mar. 25, '96 - Aug. 2, '96, 8 participants

バイオテクノロジー

J-95-00389

- PURPOSE** The purpose of the course is to provide graduates who majored in biotechnology and bioscience, mainly in the fields utilizing higher plants and microorganisms, in a university or the equivalents with fundamental and practical knowledge required for the effective application of biotechnology.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on introduction of fundamental and practical knowledge on the following subjects through lecture, practice and study tours. (1) lecture general principles of biotechnology utilizing microorganisms, biotechnology utilizing plants, etc. (2) laboratory works plant and cell engineering application of plant tissue culture techniques etc. (3) observation tours observation of institutes concerned with crop genes application of microbial activities etc.
- QUALIFICATION OF APPLICANT** (1) presently engaged in research work and have more than four years of occupational experience in this field (2) university graduate or equivalent (3) not less than 26 and not more than 35 years of age
- TRAINING INSTITUTIONS** (1) Hyogo International Centre (HIC), JICA (2) Faculty of Agriculture, Kobe University
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for several days.

**TUBERCULOSIS CONTROL II**

June 19, '95 - Oct. 22, '95, 18 participants

結核対策II

J-95-00030

- PURPOSE** The purpose of the course is to give training to key organizers of the national tuberculosis programme in the modern methods of tuberculosis control, in order to prepare them for developing or promoting the programme in a rational, realistic and efficient manner under their own country's socio-economic conditions.
- MAIN FEATURES OF CURRICULUM** Through the intensive lectures with discussions, practical training, seminars, workshops, field observations, etc. in this training course, it is so designed that the participants will acquire: (1) the abilities in formulating, implementing and evaluating a national tuberculosis programme based on the cost-benefit relationship (2) an epidemiological view of tuberculosis control (3) an understanding of the way to protect healthy people from tuberculosis (4) an understanding of how to cut the chain of transmission of tuberculosis
- QUALIFICATION OF APPLICANT** (1) a medical officer who is engaged in the national tuberculosis control programme, preferably having, or going to have, a leading role in the programme, excluding those who are engaged in pure clinical work (2) not more than 45 and not less than 30 years of age
- TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) Research Institute of Tuberculosis, Japan Anti-Tuberculosis Association
- REMARKS** The participants will be required to take examinations for the qualification of Diploma of Tuberculosis Control and Epidemiology from the Research Institute of Tuberculosis when the training is completed. The participants should bring updated information on the health status and tuberculosis activities, manual of national tuberculosis control programme, recording form of tuberculosis patients, etc. of their countries.

**TUBERCULOSIS CONTROL FOR ADMINISTRATIVE MEDICAL OFFICERS**

May 8, '95 - June 25, '95, 10 participants

結核対策指導者

J-95-00197

- PURPOSE** The purpose of this course is to build up the ability of the participants to formulate a national tuberculosis programme, to set up strategy for implementation of the programme and to evaluate the programme through lectures, discussions and observation tours, and also by exchange of experiences and views with the participants from other countries, to contribute to the strengthening of the programmes of the countries concerned.
- MAIN FEATURES OF CURRICULUM** This course aims at building up the abilities to: (1) make a modification plan for the programme based on the deficiencies and shortcomings as identified by evaluation (2) evaluate the on-going national tuberculosis programme in their own country (3) assess the epidemiological status of tuberculosis and its time trend in their own country (4) incorporate new knowledge and technology of tuberculosis control into their own national programme
- QUALIFICATION OF APPLICANT** (1) a medical officer who is in charge of a tuberculosis control programme at a certain administrative level, most preferably an ex-participant of group training course in tuberculosis control with about five years field experience after the previous course (2) not more than 55 and not less than 35 years of age
- TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) Research Institute of Tuberculosis, Japan Anti-Tuberculosis Association
- REMARKS** The participants will be required to take examinations for the qualification of Diploma of Tuberculosis Control and Epidemiology from the Research Institute of Tuberculosis when the training is completed. The participants should bring updated information on the health status and tuberculosis activities, manual of national tuberculosis control programme, recording form of tuberculosis patients, etc. of their countries.

**CLINICAL ONCOLOGY II**

Aug. 29, '95 - Nov. 4, '95, 10 participants

がん対策II

J-95-00068

- PURPOSE** The purpose of this training course is to provide the participants with an opportunity to acquire the latest knowledge and technique of cancer diagnosis and treatment established in Japan.
- MAIN FEATURES OF CURRICULUM** This training course mainly consists of two parts, i.e., lecture session which all the participants are expected to attend, and individual programme to be conducted in accordance with the participants' respective specialities. Through the training programme, the participants are expected to: (1) create a better understanding on various aspects of cancer diagnosis and treatment, and (2) acquire the latest knowledge and technique in their respective field
- QUALIFICATION OF APPLICANT** (1) licensed physician authorized by their governments and specialized in cancer diagnosis and its treatment (2) strictly less than 35 years of age and have clinical experience of more than three years in cancer diagnosis and its treatment
- TRAINING INSTITUTIONS** (1) Tokyo International Center (TIC), JICA (2) National Cancer Center (NCC)

**EARLY GASTRIC CANCER DETECTION AND RELATED DIGESTIVE TUMORS II**

Jan. 16, '96 - Mar. 15, '96, 16 participants

早期胃癌診断II

J-95-00144

- PURPOSE** The purpose of this course is to introduce participants to the various characteristics of cancers and to the fundamental and the latest knowledge and techniques concerning the detection of early gastric cancer, ulcer, polyp and related digestive tumors. It also aims to enable participants to become competent enough to assume responsible duties after returning to their home countries, to contribute to the early detection of gastric cancer and related digestive tumors and finally, to improve health standards in their respective countries.
- MAIN FEATURES OF CURRICULUM** This course is focused on the introduction of fundamental and latest knowledge in Japan by means of lectures, hospital training on each participant's speciality (either Radiology, Endoscopy, or Histopathology), and case studies (practice reading). The major subjects to be treated in the lectures are: (1) general radiology (general information, X-ray studies, diagnosis of elevated/depressed lesions, radiodiagnosis of minute lesions, screening and epidemiological studies, etc.) (2) endoscopy (general information, gastric biopsy, diagnosis and treatment of esophageal diseases, magnification endoscopy, duodenoscopy, diagnosis of cancer of colon, etc.) (3) histopathology (method of histopathological examination, histogenesis of gastric cancer) (4) chemotherapy (5) echography (6) diagnosis of cancer of liver, pancreas and gallbladder
- QUALIFICATION OF APPLICANT** (1) graduate of a medical college or the medical department of a university, who majored in gastroenterology with more than seven years of practical experience in diagnosing cancer, gastritis, ulcer and polyp of the stomach and its adjacent region in the field of radiology, endoscopy, biopsy or pathology (2) able to give a report on respective fields which may include the applicant's prior scientific presentations, studies abroad, or other pertinent information (3) able to assume such responsible duties as chief instructor, professor or specialist in the aforementioned fields after returning to their respective countries (4) under 45 years of age
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Foundation for Detection of Early Gastric Carcinoma

**PATIENT CARE FOR INFECTIOUS DISEASES**

Jan. 9, '96 - Mar. 25, '96, 5 participants

感染症臨床研修

J-95-00423

- PURPOSE** The purpose of this training course is to provide the participants with better knowledge and skills to diagnose, examine and treat infectious disease through practical programme and lecture.
- MAIN FEATURES OF CURRICULUM** This course will be conducted in the form of practical programme, lectures and visit to other facilities. The participants will have an individual programme at an appropriate division in accordance with their respective specialities for a certain period. Through the training programme, the participants are expected to: (1) advance knowledge on infectious diseases (2) be able to diagnose infectious disease correctly (3) be able to examine patients with infectious diseases adequately (4) be able to treat patients with infectious diseases appropriately (5) be able to perform disinfection and aseptic techniques (6) be able to apply the knowledge to medical practice after returning to their respective countries
- QUALIFICATION OF APPLICANT** (1) licensed physician authorized by his/her government, and have a clinical experience of more than five years (2) between 29 and 34 years of age
- TRAINING INSTITUTIONS** (1) Tokyo International Center (TIC), JICA (2) International Medical Center of Japan

**SEMINAR ON BLOOD TRANSMITTED DISEASES (SPECIAL REFERENCE TO AIDS, ATL, AND HEPATITIS)**

July 10, '95 - Aug. 21, '95, 15 participants

血液由来感染症

J-95-00358

- PURPOSE** The purpose of the course is to provide middle level managers of health services in developing countries, with information on: (1) natural history of infectious diseases which are transmitted from person to person through blood namely, acquired immunodeficiency syndrome (AIDS), adult T-cell leukemia (ATL) and hepatitis B (HB) & C (HC) (2) how to establish national or regional policy on control of the above mentioned diseases and how to supervise or guide the implementation of control measures in respective countries
- MAIN FEATURES OF CURRICULUM** With regard to diseases such as AIDS, ATL, and HB & HC, the course is conducted in the form of lectures, discussions, films, practical work and field trips. Participants are expected to: (1) study natural histories of the diseases with particular emphasis on epidemiology and surveillance methodology. (2) understand diagnosis, pathology, clinical features and treatment of the diseases. (3) develop their capabilities for performing the various practical procedures related to clinical diagnosis of the diseases. (4) review, discuss and contemplate the possible control programmes of the diseases in their respective countries.
- QUALIFICATION OF APPLICANT** (1) medical doctor and, at the same time, a manager of middle level or higher in the office or in the field (2) engaged in the work which is related to this training course (3) 40 years of age or less
- TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) Agency for Cooperation in International Health (3) Kumamoto National Hospital

**MANAGEMENT AND TECHNOLOGY IN MICROBIOLOGICAL LABORATORY DIAGNOSIS**

Oct. 30, '95 - Apr. 14, '96, 9 participants

感染症診断の技術と管理

J-95-00424

- PURPOSE** The purpose of this training course is to provide participants with knowledge and techniques required for the management of laboratory activities, and production, evaluation and quality control of agents and media in their laboratories.
- MAIN FEATURES OF CURRICULUM** In this course, emphasis is put on practical exercise in the laboratory. The subjects covered in the course are: (1) basic lectures (a) host-microbe interaction (b) quality control of biological products, especially of vaccines (c) pathogenic vibrios (d) serological diagnosis of toxic diseases (e) antimicrobial susceptibility testings-principle and practice (f) bacterial toxin (g) quality control of blood products (h) drug distribution system and quality control (i) Mechanism of drug resistance in bacteria (j) recent topics of viral infections (k) recent topics of bacterial infections (l) laboratory biosafety control (m) bacterial toxin and intestinal colonization (n) control of infectious diseases in developing countries (o) bacteriology (2) special lectures (a) surveillance of nosocomial infections (b) epidemiology and control of nosocomial pneumonia (c) nosocomial infection and laboratory (d) nosocomial infection and viral hepatitis (e) antimicrobial agents and MRSA
- QUALIFICATION OF APPLICANT** (1) a medical doctor or specialist in pharmacology, agriculture, or biology, and at the same time, managers of middle level or above, in fields related to the course (2) 45 years of age or less
- TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) Agency for Cooperation in International Health (3) Kumamoto Prefectural Institute of Public Health (4) Kumamoto Municipal Institute of Public Health (5) Chemo-Cero-Therapeutic Research Institute
- REMARKS** A compulsory 95 hour Japanese language course will be conducted prior to the technical training for 95 hours.

**ADVANCED MICROBIAL DISEASES STUDY**

Sep. 4, '95 - July 27, '96, 6 participants

上級微生物病研究

J-95-00393

- PURPOSE** The purpose of the course is to improve the competence of the participants who work at the frontline in microbial research in developing countries, and thus contributing to the development of human resources in this field in their countries.
- MAIN FEATURES OF CURRICULUM** This course consists of individual research work at laboratory. Each participant is to belong to one of the following departments for his/her individual research. (1) department of bacteriology and serology (2) department of immunochemistry (3) department of preventive medicine (4) department of protozoology and parasitology (5) department of pathology (6) department of virology (7) department of tumor virology (8) department of microbial genetics (9) department of tuberculosis research (bacterial toxinology) (10) department of medical genetics (11) department of immunoregulation (12) department of molecular immunology (13) department of science for laboratory animal experimentation
- QUALIFICATION OF APPLICANT** (1) have a master's or doctors degree or equivalent knowledge and have majored in microbial diseases, or be ex-participants of the JICA Group Training Course in Microbial Diseases Study. (2) under 45 years of age
- TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Research Institute for Microbial Diseases, Osaka University
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for four week.

**SEMINAR ON POLIO ERADICATION, ITS THEORY AND PRACTICE**

Jan. 15, '96 - Mar. 4, '96, 7 participants

小児麻痺根絶計画の理論と実際

J-95-00425

- PURPOSE** The purpose of this course is to provide the middle level managers of the health services in developing countries with information on: (1) analysis of history of the past polio eradication programmes and elements needed for the success of the programmes, (2) according to (1), setting-up of practical eradication methodology and management of field programme (surveillance, diagnosis, vaccination, etc.), and (3) review of global eradication programmes, especially the programmes of WHO Western Pacific Region.
- MAIN FEATURES OF CURRICULUM** In this seminar, the emphasis is put on report presentation of polio eradication plan in each participant country through discussions, lectures and field survey practice. The subjects covered in the seminar are: (1) basic lectures (a) virology and epidemiology poliomyelitis (b) pathology poliomyelitis (c) clinical features of poliomyelitis (d) production of oral polio vaccine (e) maintenance of cold chain (f) laboratory diagnosis management specimens (g) laboratory diagnosis management of diagnostic technique and feedback to field (h) relationship between EPI and polio eradication efforts (2) special lectures (a) introduction to poliomyelitis eradication strategy (b) international health and medical cooperation (multi/bilateral/NGO) (3) programme management (4) case study (5) field action and field trips (6) practice laboratory diagnosis (7) group discussion and study (8) presentation and discussions of Country Report
- QUALIFICATION OF APPLICANT** (1) medical doctor and at the same time, manager responsible for the national EPI and/or polio eradication programme or a person of equivalent position (2) 50 years of age or less
- TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) Agency for Cooperation in International Health

**PEDIATRICS AND PEDIATRIC SURGERY**

Feb. 13, '96 - June 17, '96, 5 participants

小児専門医療

J-95-00360

- PURPOSE** The purpose of this training course is to provide the participants with an opportunity to deepen an understanding on medical and health care to neonates, infants, small children and adolescents as well as prevental health care for them and early detection of diseases, which covers acute and chronic diseases, neonatal diseases, congenital or genetic diseases, physical disabilities, psychosomatic diseases and development behaviour problems, and thus to contribute to further advancement of pediatrics and pediatric surgery in developing countries.
- MAIN FEATURES OF CURRICULUM** This training course mainly consists of two parts; introductory lectures attended by all participants and individual clinical exercise (Pediatric, Pediatric Surgery) to be conducted in accordance with the participants' specialities. Through the training programme, the participants are expected to have a better understanding on the following: (1) diagnosis and treatment as a physician specialized in pediatrics or pediatric surgery, and (2) recent medical and surgical techniques for child care
- QUALIFICATION OF APPLICANT** (1) licensed physician authorized by their governments, and have occupational experience of more than two years in pediatrics or pediatric surgery (2) under 35 years of age
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) National Children's Hospital

**TECHNOLOGY FOR NEONATAL AND INFANTILE SCREENING**

Jan. 4, '96 - Mar. 25, '96, 8 participants

新生児・乳児マスキング検査技術

J-95-00492

- PURPOSE** The course is designed to upgrade knowledge and technique of mass-screening in the field of infants screening for inherited disorders and related diseases.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on the technical exercises. It mainly deals with: (1) inborn errors of metabolism (2) congenital hypothyroidism (3) congenital adrenal hyperplasia (4) neuroblastoma
- QUALIFICATION OF APPLICANT** (1) medical doctor or have a doctorate in medical science and also be planning to organize neonatal and infantile screening (2) university graduate or equivalent (3) over 25 and under 40 years of age
- TRAINING INSTITUTIONS** (1) Hokkaido Branch Office, JICA (2) Sapporo City Institute of Public Health

**CLINICAL DENTISTRY**

Apr. 17, '95 - Aug. 21, '95, 11 participants

歯学

J-95-00426

- PURPOSE** The purpose of the course is to provide participants with the knowledge and skills of modern dentistry from fundamental to advanced level. Based on knowledge obtained through the course, participants are expected to be able to organize and conduct various activities such as clinics, education and administration in the field of dental health in order to promote the dental health systems on the basis of long and short-term period according to the situation of respective countries.
- MAIN FEATURES OF CURRICULUM** In this course, participants will acquire the theory and practical skills through the model-oriented exercise. Also extensive knowledge on the advanced theory and technology of modern dentistry will be introduced. It mainly covers: (1) advancement in basic dentistry (2) dental care delivery system and dental public health service in Japan (3) dental care for children and adolescents (4) dental caries (5) periodontal disease (6) crown bridge and denture (7) arthrosis (8) oral cancer (9) dentistry for special patient (10) dental materials and clinical practices in the up-to-date dental medicine
- QUALIFICATION OF APPLICANT** (1) dentist with more than three years' professional or academic experience at academic institution, health administration or in practice (2) presently engaged or expected to be working on their return in this line (3) 40 years of age or less
- TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) Faculty of Dentistry, Kyushu University
- REMARKS** A compulsory 30 hour Japanese language course will be conducted prior to the technical training.

**ADVANCED MEDICAL RADIOLOGICAL TECHNOLOGY**

Jan. 8, '96 - Jun. 30, '96, 7 participants

医療放射線技術指導者

J-95-00511

- PURPOSE** This course is set as an Advanced Course for "Medical Radiological Technology". (1973-1993) In view of present situation of medical radiological technology, the purpose of this course is to advance the radiological technology in developing nations. The program is designed to provide broad and practical knowledge on radiological technology and educational method for the leaders who can contribute to the implementation of the radiological technology.
- MAIN FEATURES OF CURRICULUM** This course consists of quality control, effective operation and maintenance of radiological equipment, educational method for new technology, and research for appropriate technology etc. (1) fundamental theories of radiological technology for 1 month (2) practical training at hospital for 3 months (3) discussions and case studies on appropriate technology for each country for 1 month
- QUALIFICATION OF APPLICANT** The course offers to those who take leadership in the field of radiological technology (chief technologist, chief medical physicist, director of technological school, etc. or those who are expected to be leaders in the future (Deputy chief technologist, Senior technologist or the equivalent, medical physicist, Instructor of school for technologist, etc.), and also applicants should be: (1) university/college graduate or equivalent (2) radiological technologist or medical physicist having, diagnostic experiences of more than five years, or instructor having experiences of teaching at school for radiological technologist (3) under 40 years of age
- TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) The School of Allied Health Sciences (Faculty of Medicine), Osaka University (3) Osaka University Hospital
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for two week.

**COUNTER-MEASURE FOR IMPROVEMENT OF INFANT MORTALITY RATE**

Aug. 21, '95 - Oct. 2, '95, 8 participants

乳児死亡率改善対策

J-95-00519

- PURPOSE** The purpose of this course is to aim to have participants develop the managerial and planning skill toward the reduction of the infant mortality rate (IMR) in their own countries through (1) identifying the factors of reducing the IMR in the assigned areas (2) discussing with fellow participants on their observations (3) developing their own solution for the improvement for themselves.
- MAIN FEATURES OF CURRICULUM** The course is designed for the participants to review the policies and execution of work related to the IMR reducing factors through visiting hospitals, public health centre and policy making office and discussing among participants and/or with their staff. The following basic subjects are covered through lecturers (1) Japan's health policy (2) maternal health (3) child health (4) health staff service
- QUALIFICATION OF APPLICANT** (1) be a medical doctor, paramedical or administrative staff of higher position who are responsible for national formation of maternity and child health strategy and its execution, level of high ranking manager or middle level manager (2) be fifty 50 years of age and less
- TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) Kumamoto Prefectural Center for Health and Preventive Medicine
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for 25 hours.

**CLINICAL LABORATORY TECHNOLOGY**

Nov. 14, '95 - Feb. 18, '96, 15 participants

臨床検査技術

J-95-00521

- PURPOSE** This programme aims to invite those who are presently engaged in medical technology practices, especially in the field of clinical laboratory to provide them through lectures, practice drills and observations, with knowledge, technology skills for practical medical technology.
- MAIN FEATURES OF CURRICULUM** This course consists of basic common training for all participants and group work for which the participants will be divided into the following two groups. Group A: bacteria and parasite testing technology as a countermeasure against diarrhea caused by intestinal bacteria and parasite (Salmonella, Shigella, Yersinia, Vibrio Aeromonas, Plesimonas, Campylobacter, Clostridium, S. aureus, B. cereus, ETEC will be treated) Group B: clinical immunological technology (fundamentals and practical applications of clinical immunology).
- QUALIFICATION OF APPLICANT** (1) have experience of more than five years in their profession (2) presently engaged in practices of clinical laboratory (NOTE: not be medical doctors or nurses) (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
- TRAINING INSTITUTIONS** (1) Tokyo International Center (TIC), JICA (2) Japan International Medical Technology Foundation (3) Japanese Association of Medical Technologists (4) related institutes



**TOTAL MEDICAL IMAGING AND RADIATION THERAPY TECHNOLOGY**

Sep. 26, '95 - Jan. 29, '96, 15 participants

総合医用画像・放射線治療技術

J-95-00516

- PURPOSE** This programme aims to invite those who are presently engaged in medical technology practices, especially in the field of medical imaging medical imaging information management and radiation therapy, to provide them through lectures, practice drills and observations, with knowledge, technology and skills for practical medical technology.
- MAIN FEATURES OF CURRICULUM** This course consists of basic common training for all participants and group work for which the participants will be divided into the following two groups. Group A: Medical imaging technology [analogue and digital image processing (computed radiology, magnetic resonance imaging, computed tomography, ultrasound, etc.) will be treated]. Group B: Medical imaging information management and radiation therapy technology management (archives and communication) of the medical imaging system, introduction to medicine, oncology and acquisition of radiotherapy technology will be treated.
- QUALIFICATION OF APPLICANT** (1) have experience of more than five years in their profession (2) be radiographer/radiological technologist who is presently engaged in practice of diagnostic radiology, magnetic resonance imaging and ultrasound examinations (Group A) and management of total medical imaging and radiotherapy (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
- TRAINING INSTITUTIONS** (1) Nagoya International Training Centre (NITC), JICA (2) Japan International Medical Technology Foundation (3) Japan Association of Radiological Technologists Education Center (4) related institutes

**FOOD MICROBIAL CONTROL**

Jan. 8, '96 - May 24, '96, 6 participants

食品微生物検査技術

J-95-00361

- PURPOSE** The course is designed to upgrade the technical skills of personnel who are currently engaged in food microbial control.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on introduction of comprehensive knowledge on the following subjects through lecture, practice and field trip. (1) lectures (1 week) (a) Japanese food sanitation law (b) microbial control (c) anaerobic bacteria (d) pathogenic bacteria (e) saprophytic bacteria (f) fungi (g) recent trend of regulation for marine and livestock products in Japan (2) practice (12 weeks) (a) basic techniques (i) staining of bacteria (gram stain etc.) (ii) preparation of culture medium (iii) viable count of bacteria (iv) viable count of coliform group in drinking water (v) viable count of fungi and yeast (vi) viable count of lactic acid bacteria (vii) viable count of anaerobic bacteria (b) procedures for the isolation and identification of pathogenic microbes related to food-poisoning (i) salmonella (ii) staphylococcus aureus (iii) pathogenic vibrios (V. parahemolyticus, cholerae.) (iv) campylobacter (v) clostridium perfringens (vi) listeria monocytogenes (vii) fungi and yeast (3) observation of private and public facilities related to food microbial control
- QUALIFICATION OF APPLICANT** (1) research or technical officer presently engaged in food microbial control (2) university graduate or equivalent with occupational experience of more than three years in the field of food microbial control (3) under 35 year of age
- TRAINING INSTITUTIONS** (1) Hyogo International Centre, JICA (2) Kobe College of Pharmacy (3) Public Health Research Institute of Kobe City (4) Kobe Quarantine Station, Ministry of Health and Welfare
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for about several days.

**HOSPITAL ADMINISTRATION**

Jan. 23, '96 - Mar. 2, '96, 7 participants

病院管理技術

J-95-00481

- PURPOSE** The purpose of this course is to introduce participants to the latest knowledge and technologies in the field of health services management, laying stress on hospital administration, through lectures, group discussions, field visits and individual studies.
- MAIN FEATURES OF CURRICULUM** The following subjects will be covered in the course. (1) district/regional health facilities (a) role (b) planning (2) application of appropriate technology (3) health services (a) system (b) resource management (c) planning and evaluation (4) hospital management (5) hospital visit
- QUALIFICATION OF APPLICANT** (1) presently engaged in hospital administration at the middle management level or government officer, working in health services management (2) not more than 40 years of age
- TRAINING INSTITUTIONS** (1) Tokyo International Center (TIC), JICA (2) National Institute of Health Services Management

**IMPORT AND EXPORT FOOD INSPECTION**

Aug. 14, '95 - Dec. 3, '95, 6 participants

輸出入食品検査技術

J-95-00226

- PURPOSE** The course is designed for brushing up the knowledge and technique of the middle-class personnel in the manner of in-service training.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on introduction of comprehensive knowledge on the following subjects through lecture, practice and field trip. (1) lectures (a) current trend of public health administration in the world (b) principle of food hygiene in international trade (c) food hygiene administration on national and community levels (d) government formalities for international food trade at entry and exit (e) hygienic criteria for food safety in international trade (f) function of public institute for food health (g) monitoring of imported food in domestic market (2) laboratory experiments (a) microbial examinations (b) physico-chemical and other examinations
- QUALIFICATION OF APPLICANT** (1) a technical personnel of import and export food sanitation of inspection who are university graduates and/or those who have equivalent practical experiences of food hygiene services more than three years (2) not more than 40 years of age
- TRAINING INSTITUTIONS** (1) Hyogo International Center, JICA (2) Kobe Quarantine Station, Ministry of Health and Welfare (3) Kobe Center for Quality Control and Consumer Service, Ministry of Agriculture, Forestry and Fisheries
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for several days.

## MYCOTOXIN INSPECTION IN FOOD

Feb. 5, '96 - May 24, '96, 7 participants

輸出入食品マイコトキシン検査

J-95-00390

- 1. PURPOSE** The purpose of the course is to enable the participants to understand the basic knowledge and techniques for the control and management of mycotoxins. After this course, they are expected to be able to apply them in their respective countries.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on introduction of comprehensive knowledge on the following subjects through lecture, practice and field trip: (1) lectures (a) food sanitation law and food inspection (b) general view on mycotoxins (c) introduction to fungi (d) isolation and identification of fungi (e) aspergillus flavus contamination of groundnuts and maize (f) fusarium contamination of wheat and maize (g) sampling for mycotoxins (h) analysis of mycotoxins (i) control of mycotoxins (j) analysis of food preservatives (2) practices (a) method of the isolation and identification of mycotoxins-producing fungi (b) analysis of mycotoxins such as aflatoxins and fusarium mycotoxins (c) analysis of food preservatives (3) observation and field trips government and private food inspection organization, food processing factories
- 3. QUALIFICATION OF APPLICANT** (1) technical officer or inspector presently engaged in food inspection (2) university graduate or equivalent with practical experience of not less than three years in the field of food inspection (3) not more than 35 years of age
- 4. TRAINING INSTITUTIONS** (1) Hyogo International Center, JICA (2) Public Health Research Institute of Kobe City
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for several days.

## NURSING ADMINISTRATION

(not conducted in JFY 1995)

看護管理

- 1. PURPOSE** The purpose of the course is to give promising nurses an educational opportunity to be well-equipped administrators who will be able to upgrade the quality of nursing services in developing countries through the study of theory and practice on nursing administration.
- 2. MAIN FEATURES OF CURRICULUM** This course consists of common subjects for all participants and individual practical study in the hospital in accordance with the speciality of each participant. The following major subjects will be covered in the course: (1) health and medical situation in Japan (2) principles of administration (3) hospital administration (4) nursing administration
- 3. QUALIFICATION OF APPLICANT** (1) have enrolled and completed either of the below-mentioned courses a. and b. during the period specified, or equivalent (a) JICA's group training course in Specialized Nursing year of participation: 1986 - 1990 (b) Advanced Nursing Study Course for Southeast Asian nurses, which the Ministry of Health and Welfare entrusts its operation to INFJ year of participation: 1973 - 1990 (2) hold an administrative position in nursing of their countries at present, or expected to be engaged in the administration in future with a sufficient ability (3) have basic Japanese knowledge (beside sufficient command of English)
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) International Nursing Foundation of Japan (INFJ)
- 5. REMARKS** (1) This course is conducted every other year in principle. This year (in Japanese Fiscal Year 1995) it will not be conducted. (2) A compulsory intensive Japanese language course will be conducted prior to the technical training for one month.

## SEMINAR ON PARASITE CONTROL ADMINISTRATION FOR SENIOR OFFICERS

Jan. 23, '96 - Feb. 18, '96, 10 participants

寄生虫予防指導者セミナー

J-95-00241

- 1. PURPOSE** The purpose of this seminar is to provide the participants with an opportunity (1) to create a better understanding on tripartite activities in Japan for parasite control conducted by administrative authorities of the government, medical experts and citizens' community, (2) to broaden knowledge on Japanese method or technique and its effectiveness of parasite control programme which is considered as a step to integrated primary health care programme, and (3) to contribute to promoting public appreciation of parasite control programme and their voluntary participation in it in respective countries of the participants.
- 2. MAIN FEATURES OF CURRICULUM** The following major subjects will be covered in the seminar. (1) parasite control program and public health activities in Japan (a) relations between central prefectural and municipal governments/authorities (b) medical experts (c) community/voluntary institutions (2) parasitology (a) soil-transmitted helminths such as ascaris and hookworm (b) examination methods and techniques (c) deworming and treatment (d) training of medical personnels and volunteers (3) integrated parasite control program and community/family health activities
- 3. QUALIFICATION OF APPLICANT** (1) senior-level administrator or expert from government or private sector in charge of parasite control at national or local level (2) have medical or other related profession (3) under 55 years of age
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Center (TIC), JICA (2) Japan Association of Parasite Control

## SPECIALIZED NURSING

Mar. 4, '96 - Dec. 6, '96, 8 participants

専門看護

J-95-00314

- 1. PURPOSE** The purpose of this training course is to enhance the participants' competency on selected fields through lectures and practice so as to contribute to improving nursing services and its standard of respective countries.
- 2. MAIN FEATURES OF CURRICULUM** This course consists of common subjects for all participants and individual practical study in the hospital in accordance with the speciality of each participant. Through the training programme, the participants are expected to be able to: (1) comprehend and state the causes, symptoms, pathophysiology of diseases and its treatment and nursing care, (2) pursue comprehensive patient's management in skillful manner, (3) understand and manipulate specific medical equipment and instruments, (4) state the significance, process and nursing intervention of related clinical examinations, (5) understand psychosocial aspects of patients and their families, and (6) understand the expanded role of nurses in the community.
- 3. QUALIFICATION OF APPLICANT** (1) have completed a fundamental nursing education programme of three years or more (2) have more than five years experience in nursing and more than one year experience in the specialized field for which the applicant is to apply (3) under 35 years of age
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) International Nursing Foundation of Japan (INFJ)
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for two months.

**CLINICAL NURSING**

Aug. 31, '95 - Mar. 4, '96, 5 participants

臨床看護実務 J-95-00341

- PURPOSE** The purpose of this course is to provide the opportunity for experienced clinical nurses for the improvement of skills and the enhancement of knowledge through exposure to the theory and practice of nursing care of Japan in an effort to develop clinical nurses of high calibre with leadership quality who would serve to improve the standard of clinical nursing in participating countries.
- MAIN FEATURES OF CURRICULUM** This course consists of common subjects for all the participants and Subcourse subjects. The Subcourses to be chosen are: (1) emergency nursing/surgical nursing (2) maternal and child nursing (3) internal medicine nursing
- QUALIFICATION OF APPLICANT** (1) a certified staff nurse with more than five years of nursing experience (head nurse and chief nurse are not applicable) (2) under 40 years of age
- TRAINING INSTITUTIONS** (1) Okinawa International Centre (OIC), JICA (2) Okinawa Prefectural Chubu Hospital
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for two months (210 hours).

**CARDIOVASCULAR DISEASES**

Aug. 21, '95 - Dec. 7, '95, 7 participants

循環器病対策 J-95-00273

- PURPOSE** The purpose of this course is to help the specialists to improve their ability in the fields of cardiovascular and related diseases through discussions, observations and practices of laboratory examinations.
- MAIN FEATURES OF CURRICULUM** This course consists of individual and specialized training in a given department of the National Cardiovascular Center. Each participant is to choose one of the following departments. (1) department of medicine: cardiac division (2) department of medicine: cerebrovascular division (3) department of medicine: division of hypertension, renal division (4) department of medicine: division of arteriosclerosis and metabolism (5) department of cardiovascular surgery (6) department of cerebrovascular surgery (7) department of anesthesiology (8) department of pediatric cardiology (9) department of radiology (10) department of preventive medicine (11) department of pathology (12) department of perinatology
- QUALIFICATION OF APPLICANT** (1) licenced physician and surgeon authorized by their government (2) occupational experience of at least two years in diagnosis and treatment of cardiovascular diseases (for the applicants who wish to specialize in Perinatology, the required duration of occupational experience is minimized; experience of less than two years is enough for application), (3) under 35 years of age
- TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) National Cardiovascular Centre (NCVC)
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for two weeks.

**SEMINAR ON NATIONAL HEALTH ADMINISTRATION**

May 22, '95 - June 11, '95, 14 participants

衛生行政セミナー J-95-00213

- PURPOSE** This seminar is designed to introduce Japan's overall hygiene administration in the past and to contribute to the progress of health medical practice administration of the participating countries by focusing on current issues and through the exchange of opinions.
- MAIN FEATURES OF CURRICULUM** Most part of the program is allocated to discussions on the following themes; (1) health policy and planning (2) health resources development and management (3) community health (4) infectious diseases control (5) environmental health and hygiene (6) maternal and child health
- QUALIFICATION OF APPLICANT** (1) medically qualified top ranking administrator of the national government in charge of health administration, or the equivalents in public institutions (2) be in a position to participate in planning and deciding the national health administration policy
- TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) Ministry of Health and Welfare (MHW) (3) International Medical Foundation of Japan (IMFJ)

**PUBLIC HEALTH AND ENVIRONMENTAL POLLUTION TECHNOLOGISTS**

June 22, '95 - Feb. 25, '96, 5 participants

公衆衛生・環境汚染分析技術者 J-95-00296

- PURPOSE** The purpose of this training course is to provide participants, who are presently engaged as laboratory technologists in the field of public health, with fundamental and practical knowledge of public health technology through lectures, field work, laboratory work and observations.
- MAIN FEATURES OF CURRICULUM** This course consists of common subjects for all participants and individual research work at laboratory. Each participant is to take one of the following subjects for their individual research: (1) infectious disease (2) medical zoology and parasitology (3) food chemistry (4) air pollution (5) water pollution (6) snake venom and antivenin
- QUALIFICATION OF APPLICANT** (1) presently engaged in research work as a laboratory technologist in the field of public health (2) university graduate or equivalent with occupational experience of more than three years (3) under 41 years of age
- TRAINING INSTITUTIONS** (1) Okinawa International Centre (OIC), JICA (2) Okinawa Prefectural Institute of Public Health
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for eight weeks (225 hours).

**SEMINAR ON HUMAN RESOURCES  
DEVELOPMENT IN PUBLIC HEALTH**

Jan. 9, '96 - Jan. 28, '96, 10 participants

公衆衛生教育

J-95-00455

- 1. PURPOSE** The purpose of this course is to increase the ability of the participants to formulate a national and local programme for human resources development in public health. Though this might be very difficult to handle, exchange of experience and views in each country will be necessarily useful and meaningful. Therefore, in this course, the way which Japan is taking in public health administration and human resources development will be presented as the study material, and participants are required to fill out the questionnaire on this matter in order to make it easy to develop the mutual discussions.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on discussions by participants, which follow lectures and field study to introduce Japanese systems and situations. The main themes are: (1) health administration and production of professional health personnel in Japan (2) institutions and personnel for public health services in Japan (3) systems and situations in participating countries
- 3. QUALIFICATION OF APPLICANT** (1) be either (a) director/dean of a school of public health, (b) chief of educational courses/programmes at a school of public health, or (c) government official responsible for human resources development in public health (2) not less than 35 years of age
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Institute of Public Health, Ministry of Health and Welfare

**OCCUPATIONAL HEALTH**

Aug. 7, '95 - Dec. 10, '95, 10 participants

産業医学

J-95-00305

- 1. PURPOSE** The purpose of the course is to provide participants with basic concepts and fundamental knowledge of occupational health. The knowledge obtained through the course will enable them to organize and conduct research planning, management and administration in order to prevent occupational diseases and to improve health conditions of workers in their respective countries.
- 2. MAIN FEATURES OF CURRICULUM** The training course consists of five main parts, that is (1) lectures on occupational health (2) field trips (3) elective seminar (4) presentation (5) course on biostatistics and data management with computer. The following major subjects for occupational health are covered in the course: (1) general principle of occupational and environmental health (2) occupational epidemiology and biostatistics (3) occupational health in agriculture (4) occupational diseases (5) occupational disorders due to physical factors (6) occupational toxicology (7) work physiology and psychology (8) ergonomics and management (9) evaluation of work environment (10) control of work environment (11) occupational safety and health administration & law (12) occupational health service
- 3. QUALIFICATION OF APPLICANT** (1) medical doctor in principle (university graduate with more than three years of professional or academic experience in the field of occupational health would be approved) (2) presently engaged or expected to be in the field of occupational health (3) 40 years of age or less
- 4. TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) University of Occupational and Environmental Health, Japan (3) Rosai Hospital for Silicosis, Labor Welfare Projects Corporation
- 5. REMARKS** A compulsory 25 hour Japanese language course will be conducted prior to the technical training.

**RESEARCH FOR TROPICAL MEDICINE**

Mar. 18, '96 - Nov. 27, '96, 9 participants

熱帯医学研究

J-95-00324

- 1. PURPOSE** The purpose of this course is to invite junior or senior scientists from developing countries to Japan and give them the specialized research training in the area of tropical medicine.
- 2. MAIN FEATURES OF CURRICULUM** The course prepares individual research training for the participants in one of the nine departments, at the Institute of Tropical Medicine, Nagasaki University. Each department offers some research subjects of interest to the participants. Although the training course includes lectures, the main part of the course consists of basic research through experimental work under the guidance of the members of the institute. The nine departments are: (1) pathology (2) environmental physiology (3) parasitology (4) virology (5) bacteriology (6) protozoology (7) medical entomology (8) biochemistry (9) internal medicine
- 3. QUALIFICATION OF APPLICANT** (1) presently employed either at the Ministry of Health or medical research laboratory (2) a medical doctor or a graduate from a faculty of biology, pharmacy or agriculture or have at least three years of occupational experience in medical field (3) not less than 24 and not more than 40 years of age
- 4. TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) Institute of Tropical Medicine, Nagasaki University
- 5. REMARKS** A compulsory 25 hour Japanese language course will be conducted prior to the technical training.

**VACCINE QUALITY CONTROL TECHNOLOGY**

July 3, '95 - Dec. 16, '95, 6 participants

ワクチン品質管理技術

J-95-00367

- 1. PURPOSE** The participants are expected to acquire quality control technology for an acceptance inspection of their producing or imported vaccines and techniques for preserving, transporting or using vaccine correctly in their countries.
- 2. MAIN FEATURES OF CURRICULUM** This course consists of common subjects for all participants and group work at laboratory. Participants will be divided into 3 groups to cover one of the following subjects. Common subjects are: (1) quality control technology for measles vaccine, DPT vaccine and Japanese encephalitis vaccine. (2) effect of transportation and presentation conditions on the vaccine quality (3) good manufacturing practice. Participants will be divided into 3 groups to cover one of the following subjects: (a) measles virus vaccine (b) Japanese encephalitis vaccine (c) diphtheria pertussis-tetanus combined vaccine
- 3. QUALIFICATION OF APPLICANT** (1) university / college graduate or equivalent with occupational experience of more than three years in developing, manufacturing and quality control of biological products (2) under 35 years of age (3) engaged in the same field after returning to their country
- 4. TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA (2) Research Foundation for Microbial Diseases of Osaka University
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for four weeks.

**MAINTENANCE ENGINEERING FOR MEDICAL EQUIPMENT**

Aug. 17, '95 - Sep. 23, '95, 8 participants

医療機器保守管理技術

J-95-00428

- PURPOSE** The purpose of this training course is to provide the participants with an opportunity to improve their maintenance technique of diagnostic X-ray apparatus produced by a Japanese manufacturing firm and provided by the Japanese Government as a part of its assistance programme.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on observation and practices at private factories. The course covers the following themes; (1) normal operation of conventional diagnostic X-ray apparatus (2) routine maintenance of diagnostic X-ray apparatus (3) troubleshooting and repair of diagnostic X-ray apparatus
- QUALIFICATION OF APPLICANT** (1) (a) be presently engaged in maintenance of X-ray apparatus produced by such manufacturing companies as Hitachi Medical Corporation, Shimadzu Corporation and/or, Toshiba Corporation, and have an occupational experience in this field of more than three years (b) have efficient knowledge on two-pulse X-ray generator and combined radiographic devices (c) be expected to continuously resume the same duties as X-ray apparatus maintenance after returning home (2) college graduate specialized in electrical and/or electronic technology, or its equivalent (3) under 40 years of age
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Japan Association for Advancement of Medical Equipments (JAAME)

**SEMINAR ON EMERGENCY/ DISASTER MEDICINE**

Sep. 4, '95 - Sep. 21, '95, 8 participants

救急・大災害医療セミナー

J-95-00427

- PURPOSE** This seminar is designed for senior physicians and/or administrators who are in charge of emergency and disaster medicine in emergency medical facilities and medical administrations in participating countries. Participants are encouraged to discuss the conditions and problems of their countries on emergency/disaster medicine as comparative study, thus contribute to the further development of emergency/medical services system in each country and to the development of international cooperation in the event of a disaster.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on report presentation and discussions by participants, introduction of Japanese experience and basic theories of emergency/disaster medicine. The main themes are: (1) introduction (a) medical care system in Japan (b) history of emergency medical care in Japan (2) visits (observation) (a) emergency medical system in Japan (b) disaster preparedness (c) cooperation of governmental organization and private organization (d) cooperation among hospitals/clinics in EMS (e) education on emergency medicine
- QUALIFICATION OF APPLICANT** (1) A senior doctor, or an administrator engaged in measures for emergency/disaster medicine and taking leadership in emergency medical institution or medical administrative organization
- TRAINING INSTITUTIONS** Osaka International Centre (OSIC), JICA

**SEMINAR ON EVALUATION OF DRUG EFFICACY**

Mar. 18, '96 - July 1, '96, 6 participants

医薬品の効果判定セミナー

J-95-00471

- PURPOSE** The purpose of this course is to provide the senior researchers and the middle level managers who are responsible for the evaluation of drug efficacy including traditional medicine (crude drugs) with information on: (1) management of laboratory activities (2) development of new drugs (3) basic and advanced knowledge of production (4) evaluation and quality control of drugs
- MAIN FEATURES OF CURRICULUM** The seminar offers information on efficacy, safety and stability of drugs (including traditional drugs) as well as technology for development of new drugs to utilize medical resources. The subjects covered in the seminar are: (1) evaluation of traditional medicine (2) development of new drugs (3) production, evaluation, and quality control of biological products (4) drug disposition and pharmacokinetic analysis (5) dosage forms and administration (6) hospital pharmacy
- QUALIFICATION OF APPLICANT** (1) pharmacist or medical doctor, and at the same time, senior researcher or manager responsible for the evaluation of drug efficacy or person of equivalent (2) 45 years of age or less
- TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) Agency for Cooperation in International Health (3) Faculty of Pharmaceutical Science, Kumamoto University
- REMARKS** A compulsory 25 hour Japanese language course will be conducted prior to the technical training.

**COMMUNITY HEALTH SERVICES**

Mar. 18, '96 - Sep. 23, '96, 8 participants

地域保健指導者

J-95-00489

- PURPOSE** The purpose of the course is to provide training in practical methodology for health and hygiene diagnosis in communities, improvement of health and hygiene in communities and evaluation of such understandings, with a view of fostering those who are to take leading roles in the implementation of disease prevention and countermeasures, improvement and dissemination of hygiene standard.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on the introduction of the Japanese experience on how to plan programmes of the health and hygiene services, how to make the regional health diagnosis, how to improve the health and hygiene services and how to plan the investigation and research work useful for effective execution of the health and hygiene services. The subjects covered in the course are: (1) history and current status of health care in Japan (2) emergency medical care system (3) health statistics (4) nutrition (5) data processing (with personal computer) (6) counter-measures for infectious diseases (7) degenerative diseases (8) counter-measures for diseases (9) population problems, maternal & child health and school health (10) public health activities (11) and others
- QUALIFICATION OF APPLICANT** (1) have practical experience of more than three years in health hygiene work (2) between 30 and 40 years of age
- TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) St. Mary's Hospital
- REMARKS** A compulsory 135 hour Japanese language course will be conducted prior to the technical training.

**SEMINAR ON THE CONTROL OF HEALTH HAZARDS IN THE  
MODERNIZING PROCESS OF AGRICULTURE AND RURAL AREA**

Oct. 2, '95 - Dec. 4, '95, 9 participants

農村近代化過程の健康障害対策セミナー J-95-00490

- 1. PURPOSE** The purpose of the training course is to provide participants with information on research and control measures developed in Japan during the last five decades. The course will help participants to: (1) assess the technology to be introduced (2) formulate the plans for development of rural health services which are applicable to their respective countries or regions
- 2. MAIN FEATURES OF CURRICULUM** The major subjects covered in the course are: (1) modernization and public health in rural areas (2) importance of health policies and primary health care in rural areas (3) problems on agricultural chemicals (4) health problems in the modernizing process of agriculture and forestry (5) health problems in rural areas
- 3. QUALIFICATION OF APPLICANT** (1) medical doctor or co-medical staff and, at the same time, manager of middle level or above, with more than five years' experience in the related fields (2) engaged in the work related to this course (3) 50 years of age or less
- 4. TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) Agency for Cooperation in International Health
- 5. REMARKS** A compulsory 25 hour Japanese language course will be conducted prior to the technical training.

**SEMINAR ON FAMILY PLANNING  
ADMINISTRATION FOR SENIOR OFFICERS II**

Aug. 22, '95 - Sep. 15, '95, 15 participants

家族計画指導者セミナーII

J-95-00137

- 1. PURPOSE** The aims of the Seminar are mutual exchange of information, experience and ideas on family planning among participating countries for better administration of the programme using Japanese experience in family planning, maternal and child health care and the demographic transition process nearly 50 years after World War II for case studies, and also the country presentation which is to be made by each participant.
- 2. MAIN FEATURES OF CURRICULUM** This seminar covers the following, (1) orientation and general outline of Japanese population/MCH/family planning (a) population and family planning (b) governmental MCH/family planning programme (c) non-governmental family planning programme (d) concept of family planning and strategies (e) community organization (2) presentation of Country Report (3) field observation (a) prefectural governmental office (b) prefectural health center (c) municipal office (d) community organizations (e) hospital/institution (f) primary school
- 3. QUALIFICATION OF APPLICANT** (1) high-ranking official responsible for administration, planning and implementation of the field programme by governmental organization or private/voluntary organization for family planning (2) between 35 and 50 years of age, and with more than five years experience in the field of family planning
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Japan Organization for International Cooperation in Family Planning, Inc. (JOICFP)

**SEMINAR ON COMMUNITY-BASED FAMILY  
PLANNING STRATEGY**

(not conducted in JFY 1995)

家族計画組織活動セミナー

- 1. PURPOSE** Japanese efforts to improve maternal and child health care in local communities under leadership and extensive informative, educative and motivational activities (I.E.&M.) by capable public health nurses or midwives after the Second World War have brought a new and innovative idea to all the relevant personnel engaged in field programmes of family planning. This seminar intends to provide the participants with an opportunity to understand the Japanese experience in this field and to mutually share their respective expertise in order to contribute to the promotion of family planning with active participation by local community.
- 2. MAIN FEATURES OF CURRICULUM** The following major subjects will be covered in the course. (1) general outline on population, maternal and child health (MCH) and family planning in Japan (2) strengthening of community participation (3) exchange of participant countries' situation and experiences through topics discussions (4) adolescent health and family planning (5) field observation: to confirm how the above themes function
- 3. QUALIFICATION OF APPLICANT** (1) responsible for planning and implementing field programme by a governmental/non-governmental organization engaged in family planning (2) responsible person for developing IEC materials and IEC approaches to local community (3) between 25 and 50 years of age
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Japanese Organization for International Cooperation in Family Planning, Inc. (JOICFP)
- 5. REMARKS** This course is conducted every other year in principle. This year (in Japanese Fiscal Year 1995) it will not be conducted.

**MENTAL RETARDATION**

May 10, '95 - Aug. 7, '95, 8 participants

精神薄弱福祉

J-95-00251

- 1. PURPOSE** This course aims to enhance participants' knowledge on mental retardation, to introduce Japan's welfare systems and various institutions for the mentally retarded and thus to help participants provide better systems in their respective countries.
- 2. MAIN FEATURES OF CURRICULUM** The course gives lectures on various rehabilitation services and related subjects, augmented by observations of relevant facilities. The second half of the curriculum gives participants on opportunity to closely survey particular institutions to deepen their understanding.
- 3. QUALIFICATION OF APPLICANT** (1) a chief officer of the central or local government, working in a section responsible for the improvement of education/training, welfare services, or employment of the mentally retarded/the physically & mentally handicapped, or currently in a position of director/manager (or a position responsible for planning and coordination of all activities) of an institution or special school for the mentally retarded. (2) expected to continue his/her duty after he/she returns. (3) more than 30 years of age.
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Japan League for the Mentally Retarded (JLMR)

**PROSTHETIC AND ORTHOTIC TECHNICIANS**

July 24, '95 - Dec. 10, '95, 4 participants

補装具制作技術

J-95-00321

- PURPOSE** The purpose of the course is to introduce participants activities in prostheses and/or the fabrication thereof to the latest knowledge and techniques of this field through lectures, drills and field tours, and thus to improve techniques in their respective countries, and ultimately to promote the rehabilitation of physically disabled persons.
- MAIN FEATURES OF CURRICULUM** This course is conducted in the form of lecture/discussion and practical training and mainly covers: (1) lecture (a) basic medicine (b) introduction to prosthetics and orthotics (c) functional anatomy (d) disabilities and clinical prosthetics and orthotics (2) technical study through practice (a) B/K prosthetics (b) A/K prosthetics (c) upper extremity prosthetics (d) upper and lower orthotics
- QUALIFICATION OF APPLICANT** (1) have more than five years of practical experience in the production of prosthetic and orthotic devices (2) expected to become a leader in this field (3) under 45 years of age
- TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) National Rehabilitation Center for the Disabled
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for four weeks (100 hours).

**LEADERSHIP OF PHYSICALLY DISABLED PERSONS**

Sep. 26, '95 - Nov. 12, '95, 10 participants

障害者リハビリテーション指導者(障害者リーダーコース)

J-95-00430

- PURPOSE** The purpose of this training course is to introduce the participants to Japanese rehabilitation system for disabled persons and their activities and organizations in Japan, and to provide an opportunity to enhance leadership skills through exchanging idea and information among the participants and Japanese relevant personnel in order to enable them to contribute to further development of their services and further promotion of social participation of disabled persons in their respective countries.
- MAIN FEATURES OF CURRICULUM** Through the training programme, (lecture, practical training, country report presentation, etc.) the participants are expected to create a better understanding on the following: (1) analysis of the present status of disabled persons and identification of their requirement (2) promotion of institutional activities of disabled persons (3) improvement of a comprehensive public information programme on the rights and requirements of disabled persons (4) vigorous activities by organizations of disabled persons in Japan in collaboration with the government and the public for promoting social participation of disabled persons
- QUALIFICATION OF APPLICANT** (1) disabled person who is leader of organization/group of disabled persons with more than three years of experience in the relevant field (2) not less more 25 and no more than 40 years of age (3) be independent in daily activities (NOTE: No attendant shall be assigned for the participant during the course.)
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Japanese Society for Rehabilitation of the Disabled

**REHABILITATION OF DISABLED PERSONS (VOCATIONAL REHABILITATION AND WORKSHOP MANAGEMENT)**

June 13, '95 - July 29, '95, 10 participants

障害者リハビリテーション指導者(リハビリテーション専門家) J-95-00429

- PURPOSE** The purpose of this training course is to introduce the participants to Japanese rehabilitation systems for disabled persons, especially in vocational rehabilitation and workshop management, through a variety of lectures, study visits and practical training, and to provide opportunities to exchange idea and information among the participants in order to enable them to contribute to further development of their respective services.
- MAIN FEATURES OF CURRICULUM** (1) The following major subjects will be covered in the course: (a) introduction to institutional activities and framework of Japanese rehabilitation services for disabled persons (b) Country Report (present status of disabled persons and rehabilitation services in participating countries) (c) workshop management (d) observations (community-based services) (e) wrapping-up (future action plan) (2) Through the training programme, the participants are expected to obtain efficient and practical theory and technique for managing a sheltered workshop established for the purpose of vocational and/or social rehabilitation. In order to achieve the above-mentioned objective, the participants are also requested, during the course programme, to create a better understanding on the present status in Japan on medical and educational rehabilitation, social services and the relevant laws and regulations for people with disabilities.
- QUALIFICATION OF APPLICANT** (1) vocational rehabilitation center/workshop manager or rehabilitation expert such as an instructor, supervisor, social worker, vocational counsellor, vocational evaluator, or those who resume duties corresponding to the above-mentioned positions in such facilities as a sheltered workshop, work preparation centre, vocational/work evaluation centre, vocational training centre or other relevant facilities for disabled persons with occupational experience of more than two years (except a medical doctor and a nurse) (2) not less than 28 and no more than 40 years of age (3) be independent in daily activities (NOTE: No attendant shall be assigned for the participant during the course.)
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Japanese Society for Rehabilitation of the Disabled

**SPORTS INSTRUCTOR OF PHYSICALLY DISABLED PERSONS**

Oct. 10, '95 - Nov. 24, '95, 10 participants

障害者スポーツ指導者

J-95-00456

- PURPOSE** The purpose of this training course is to introduce the participants who are presently engaged in social welfare activities for physically disabled people in developing countries, to the present situation of sports activities as well as sports leadership and game administration for disabled persons in Japan in order to contribute to further development of sports activities for the disabled in their respective countries.
- MAIN FEATURES OF CURRICULUM** (1) The following major subjects will be covered in the course: (a) social welfare and rehabilitation system in Japan (lectures and study visits) (b) sports for the disabled (lectures, practices and study visits) (c) discussions to exchange information (2) Through the training programme, the participants are expected to: (a) educate sports leaders for the disabled in their respective countries, (b) plan and develop sports activities and recreational programmes for people with various types of disabilities, and (c) contribute to advancing athletic skills of disabled people to a competitive level.
- QUALIFICATION OF APPLICANT** (1) workshop manager or a rehabilitation expert with more than three years experience such as a social worker, therapist, sports or rehabilitation trainer for the physically disabled (except medical doctors and nurses). Special school teacher and the leading disabled athletes are applicable if their participation satisfied the purpose of this course (2) not less than 25 and not more than 40 years of age (3) be independent in daily activities (NOTE: No attendant shall be assigned for the participants during the course.)
- TRAINING INSTITUTIONS** (1) Tokyo International Centre, JICA (2) Japanese Sports Association for the Disabled

**SEMINAR ON IMPROVEMENT OF THE STATUS OF WOMEN (WID) II**

Aug. 29, '95 - Oct. 14, '95, 12 participants

女性の地位向上セミナーII

J-95-00114

- 1. PURPOSE** The purpose of the seminar is to provide knowledge of Japan's public system for dealing with women's problems, especially working women's problems. The aim of the seminar is to examine problems in the areas of employment, education and training, family life and child-care, social participation, etc., and to examine possible solutions.
- 2. MAIN FEATURES OF CURRICULUM** In this seminar, the emphasis is put on presentation and discussion by participants and introduction of Japanese administration. The participants will also have opportunities to visit Japanese women in farming communities besides various public organizations.
- 3. QUALIFICATION OF APPLICANT** (1) woman who is either (a) engaged in work related to women's problems (especially working women's problems) at a government bureau or research institute specialized in women's affairs, (b) engaged in planning work at a NGO specialized in improvement of women's status, (c) playing a leading role among working women, or (d) in charge of women's problems at a labour union (2) have more than five years of occupational experience in this field (3) university graduate or equivalent (4) between 26 and 40 years of age
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Center (TIC), JICA (2) Women's Bureau, Ministry of Labour (3) Japan Women and Young Workers Society

**LABOUR-MANAGEMENT RELATIONS ADMINISTRATION SEMINAR**

May 8, '95 - June 18, '95, 9 participants

労使関係行政セミナー

J-95-00210

- 1. PURPOSE** The purposes of the seminar are to introduce participants the system and an outline of the administration in the field of labour-management relations in Japan, to offer an opportunity for making a comparative study on labour-management relations in the participating countries, and thereby to contribute to the improvement of labour-management relations in these countries.
- 2. MAIN FEATURES OF CURRICULUM** This seminar is designed to be participative, providing an opportunity to gain knowledge through the exchange of information and ideas with other course members and other Japanese members. And it mainly covers: (1) labour-management relations in Japan (2) administration of labour-management relations in Japan (3) Japanese labour legislation on labour-management relations (4) productivity movement and technological innovation (5) comprehensive study
- 3. QUALIFICATION OF APPLICANT** (1) middle ranking officer in charge of labour-management relations administration in the governmental organization and have more than three years of occupational experience in this field (2) university graduate or equivalent (3) not more than 45 years of age
- 4. TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) Labour Management Bureau, Ministry of Labour (3) Japan Institute of Labour

**LABOUR STATISTICS FOR POLICY PLANNING SEMINAR**

June 19, '95 - July 30, '95, 9 participants

労働統計・政策セミナー

J-95-00224

- 1. PURPOSE** The purpose of this seminar is to introduce participants to the present situation of compilation and utilization of labour statistics for policy planning in Japan with reference to its development process, and to offer an opportunity for making a comparative study between Japan and their countries, as well as among the participating countries, and thereby to contribute to the development of labour statistics and labour administration in the countries.
- 2. MAIN FEATURES OF CURRICULUM** This seminar aims to present Japanese experience in this field as a case study and it mainly covers: (1) outline of the system and the operative condition on the labour statistics in Japan (2) utilization of the labour statistics for labour policy planning (3) comparative study
- 3. QUALIFICATION OF APPLICANT** (1) presently engaged in labour statistics administration or in labour administration with labour statistics administration career (2) university graduate or equivalent (3) not more than 45 years of age
- 4. TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) Policy Planning and Research Bureau, Ministry of Labour

**EMPLOYMENT ADMINISTRATION SEMINAR**

Sep. 5, '95 - Oct. 7, '95, 8 participants

雇用行政セミナー

J-95-00225

- 1. PURPOSE** The purpose of this seminar is to provide government officials engaged in employment administration with an opportunity to deepen their knowledge and understanding of policies and measures for managing unemployment policies and measures adopted in Japan and their background situation will be introduced through lectures and observations. Discussion is also held for comparative review of Japan and the participants' countries.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the following major subjects will be covered through lectures, discussions, comparative studies and observation trips. (1) labour administration in Japan (2) employment administration in Japan (3) human resource development administration in Japan (4) Japanese employment practice
- 3. QUALIFICATION OF APPLICANT** (1) engaged in policy-drafting in employment administration in a government organization (2) between 30 and 45 years of age (3) university graduate or equivalent with occupational experience
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Center (TIC), JICA (2) Employment Security Bureau, Ministry of Labour
- 5. REMARKS** Country Reports will be highly utilized both for the selection of participants and for the Comparative Studies.





**TRAINING COURSES SPECIALLY OFFERED**

**(一般特設コース)**



**SEMINAR ON ODA LOANS**

Oct. 3, '95 - Nov. 2, '95, 22 participants

ODAローンセミナー

J-95-03124

- 1. 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.
- 2. 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
- 3. 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
- 4. TRAINING INSTITUTIONS** (1) Institute for International Cooperation (IFIC), JICA (2) Overseas Economic Cooperation Fund (OECF)

**SEMINAR ON INTRODUCTION TO JAPAN'S INTERNATIONAL COOPERATION ACTIVITIES**

May 30, '95 - June 18, '95, 10 participants

国際協力事業紹介セミナー

J-95-03182

- 1. 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.
- 2. 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 Economics 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
- 3. QUALIFICATION OF APPLICANT** (1) official in the rank of director of the division in charge of the International Cooperation Programme at the Central Government
- 4. TRAINING INSTITUTIONS** (1) Institute for International Cooperation (IFIC), JICA

**ECONOMIC DEVELOPMENT SEMINAR FOCUSING ON WOMEN  
(SEMINAIRE SUR LE DEVELOPPEMENT ECONOMIQUE CENTRE SUR LES FEMMES)**

Oct. 31, '95 - Nov. 24, '95, 8 participants

女性に視点を当てた経済開発セミナー

J-95-03228

- 1. 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.
- 2. 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
- 3. 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.
- 4. TRAINING INSTITUTIONS** (1) Economic Planning Agency (EPA), (2) Institute for International Cooperation (IFIC), JICA.
- 5. REMARKS** This course will be conducted in French

**SEMINAR ON "WOMEN IN ENVIRONMENT AND DEVELOPMENT"  
(Women's Role in Environmental Protection)**

Feb. 12, '96 - Mar. 23, '96, 5 participants

「環境と開発と女性」セミナー

J-95-03263

- 1. PURPOSE** Environmental issues are becoming more serious, especially in developing countries. In order to overcome these problems, it is essential to define the role of women in global environmental preservation, as well as in the achievement of sustainable development of countries. By taking the idea of WID (Women in Development) into consideration, this seminar will enable the participants to understand the importance of keeping a balance between environmental preservation and national development. It will also help participants to implement effective countermeasures against environmental pollution, according to their respective positions (from NGO to government levels).
- 2. MAIN FEATURES OF CURRICULUM** Participants will be able to upgrade their knowledge and capabilities necessary for the management of environmental protection from women's point of view through lectures, discussions and observation. The main themes in the course are: (1) global environmental problems, (2) environmental administration in Japan, (3) measures for living environment control, (4) women in development (WID), (5) public health and reproductive rights, (6) environmental history of Kitakyushu City and anti-pollution movement promoted by women, (7) environmental impact assessment, and (8) environmental education
- 3. QUALIFICATION OF APPLICANT** (1) be a government officer or a staff of a non governmental organisation currently in charge of environmental problems or women's issues, (2) have 3 years occupational experience in the field, and (3) be university graduates or the equivalent
- 4. TRAINING INSTITUTIONS** (1) Kyushu International Centre, JICA, (2) Kitakyushu Forum on Asian Women

**GENERAL MANAGEMENT SEMINAR FOR  
REGIONAL DEVELOPMENT AND PLANNING**

Oct. 2, '95 - Nov. 25, '95, 7 participants

地域開発計画管理セミナー

J-95-03153

- 1. 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.
- 2. 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.
- 3. 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.
- 4. TRAINING INSTITUTIONS** (1) Hokkaido Branch Office, JICA (2) Hokkaido Development Agency

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

Sep. 28, '95 - Oct. 21, '95, 10 participants

上級警察幹部セミナー(中南米諸国)

J-95-03241

- 1. PURPOSE** The course is designed for those who are expected to be top leaders of police authorities in Latin American countries. The participants will study overall aspects of Japanese police services. They will also discuss recent police issues of participating countries.
- 2. MAIN FEATURES OF CURRICULUM** The following major subjects will be covered in the seminar: (1) international cooperation in criminal justice (2) drug and firearm offences (3) organized crime (4) criminal identification (5) community police activities
- 3. QUALIFICATION OF APPLICANT** (1) senior police officer or senior law enforcement officer, superintendent, major or at higher position (2) generalist with knowledge and practical experience in a broad aspect of police activities (3) over 35 and under 50 years of age
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) International Research and Training Institute for Criminal Investigation (IRTICI)

**ADVANCED COURSE FOR SENIOR POLICE  
ADMINISTRATORS**

May 9, '95 - Aug. 4, '95, 14 participants

上級警察幹部研修

J-95-03118

- 1. 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.
- 2. 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
- 3. 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
- 4. 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)
- 5. 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.

**SEMINAR ON CRIMINAL IDENTIFICATION**

Jan. 15, '96 - Feb. 11, '96, 7 participants

国際鑑識セミナー

J-95-03222

- 1. PURPOSE** This seminar aims at meeting the requests from abroad to transfer the identification techniques by systematically introducing Japanese identification activities in criminal investigation including advanced science techniques and collection of evidence at a crime scene, through lectures and practical training with the emphasis on case studies.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on workshop practice at laboratory experiments and introduction of Japanese experience through: (1) lectures and observations for outlining the system of scientific criminal identification in Japan; (2) practical training in identification activities applicable to criminal investigation
- 3. QUALIFICATION OF APPLICANT** Senior police officer: (1) in charge of criminal identification or investigation in central police organization (2) in a position to give instruction in identification techniques acquired through this seminar (3) university or college graduate, or the equivalent (4) over 35 and under 45 years of age
- 4. TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA, (2) Identification Division, National Police Agency (3) International Research and Training Institute for Criminal Investigation, National Police Academy

**LOCAL GOVERNMENT ADMINISTRATION AND PUBLIC SERVICES**

May 8, '95 - Aug. 6, '95, 9 participants

地方自治体行政

J-95-03192

- PURPOSE** To introduce the general framework of Japanese local governments and public services to civil servants of medium-scale local governments in developing countries, and to provide them with lectures in topics such as taxation system, educational administration, public welfare, health, medical care, environmental sanitation.
- 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 counter)
- QUALIFICATION OF APPLICANT** (1) college graduate or equivalent (2) sectional or department head of administration sections at local government (3) less than 45 years of age
- 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.

**LOCAL GOVERNMENT ADMINISTRATION AND PUBLIC SERVICES (OCEANIAN COUNTRIES)**

Nov. 6, '95 - Dec. 4, '95, 5 participants

地方自治体行政実務(大洋州諸国)

J-95-03274

- PURPOSE** This course provides employees of medium-sized local governments in developing countries with general information on Japanese local government administration, including systems of local autonomy, public service personnel and public finance. It also introduces specifics of policy-making, public services and personnel management in local public bodies.
- MAIN FEATURES OF CURRICULUM** The following subjects are covered in this course through lectures, discussion and study tours: (1) local autonomy system (2) local public service personnel system (3) local public finance system (4) organization of prefectures (5) assembly and election system (6) public services
- QUALIFICATION OF APPLICANT** (1) college graduate or equivalent (2) administrative official with ten or more years of experience (3) currently in a managerial position (4) between 35 and 40 years of age (5) command of conversational Japanese desirable
- TRAINING INSTITUTIONS** (1) Chugoku Branch Office, JICA (2) Local Public Service Training Institute, Hiroshima Prefectural Government

**SEMINAR ON GOVERNMENT HUMAN RESOURCE MANAGEMENT**

Sept. 7, '95 - Sep. 30, '95, 10 participants

上級人事管理セミナー

J-95-03134

- 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) Tokyo International Centre (TIC), JICA (2) Japan Association for Civil Service Training and Development

**IMMIGRATION CONTROL ADMINISTRATION**

Jan. 29, '96 - Mar. 3, '96, 8 participants

出入国管理行政

J-95-03256

- PURPOSE** The purpose of this course is to provide participants with practical knowledge and training on immigration control administration introducing the Japanese system, in order to contribute to the development of immigration control and mechanism of regional network in developing countries in Asia.
- MAIN FEATURES OF CURRICULUM** In this course, the following major subjects will be covered through lectures, discussions and observation trips: (1) law and regulation system, control administration mechanism (2) judging service (3) computer service (4) document identification service (5) theme study
- QUALIFICATION OF APPLICANT** (1) immigration officer (2) over 5 and under 15 years' experience (3) between 25 and 35 years of age (4) university graduate or equivalent
- TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA, (2) Ministry of Justice, Osaka Immigration Bureau,

**PUBLIC MANAGEMENT**

Feb. 11, '96 - Mar. 12, '96, 5 participants

行政管理 J-95-03227

- 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.
- 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
- 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
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA, (2) Management and Coordination Agency

**SEMINAR ON INDUSTRY AND TRADE POLICIES OF JAPAN**

May 16, '95 - June 30, '95, 15 participants

通商産業政策セミナー

J-95-03175

- 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.
- 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
- 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
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) International Development Center of Japan (IDCJ)
- 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 16, '95 - June 10, '95, 5 participants

市場経済化促進セミナー

J-95-03183

- 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.
- 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.
- 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
- TRAINING INSTITUTIONS** (1) Institute for International Cooperation (IFIC), JICA (2) Economic Planning Agency (EPA)
- REMARKS** Countries allocated to this seminar are limited.

**ANTI-MONOPOLY ACT AND COMPETITION POLICY**

Oct. 23, '95 - Nov. 18, '95, 5 participants

独占禁止法と競争政策

J-95-03230

- 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 the competition act in their countries.
- 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
- QUALIFICATION OF APPLICANT** (1) university/college graduate or equivalent (2) administrators of the authorities of anti-monopoly act or the authorities drafting competition act, and, (3) have more than 2 years' occupational experience in the field.
- TRAINING INSTITUTIONS** (1) Osaka International Centre (OSIC), JICA, (2) Fair Trade Commission.

**FINANCIAL INDUSTRY INFORMATION SYSTEMS**

Feb. 5, '96 - Feb. 23, '96, 7 participants

金融情報システム

J-95-03204

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).

**STOCK EXCHANGE SEMINAR**

Feb. 15, '96 - Mar. 7, '96, 7 participants

証券取引所セミナー

J-95-03257

1. **PURPOSE** To provide opportunities to acquire basic knowledge of the Japanese securities markets, the stock exchange market in particular, in order to help the participants contribute to the development of capital markets of their countries.
2. **MAIN FEATURES OF CURRICULUM** This seminar is aimed mainly at furnishing participants with general, basic information on the Japanese securities market. The program of the seminar is as follows. (1) lectures on the primary markets, listing, secondary markets, clearance and settlement, etc., and (2) field trips to securities company, Central Depository, clearing company and other stock exchange, etc.
3. **QUALIFICATION OF APPLICANT** (1) Non-executive officials of stock exchanges or the competent regulatory authorities of securities markets, (2) between 25 and 35 years of age.
4. **TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Tokyo Stock Exchange (TSE)

**WATER QUALITY MANAGEMENT**

Sep. 5, '95 - Oct. 26, '95, 10 participants

水質環境管理

J-95-03239

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

**PLANNING ON REGIONAL ENVIRONMENTAL PRESERVATION**

Sep. 4, '95 - Dec. 22, '95, 5 participants

環境保全技術(地球環境保全計画)

J-95-03260

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