

**OUTLINE OF
GROUP TRAINING COURSES
&
TRAINING COURSES
SPECIALLY OFFERED
IN
JAPANESE FISCAL YEAR 1995**

COURSES STARTING BETWEEN APRIL 1995 AND MARCH 1996

(平成7年度 集団・一般特設コース コース概要)

**JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)**

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NOTE

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

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

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

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

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27260

**JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)**

国際協力事業団

7260

GROUP TRAINING COURSES
 集団コース

DEVELOPMENT PLAN 開発計画

(Course No.)		
J-95-00171	Policies for Development..... 開発政策	25
J-95-00203	Development Economics (Industrial Project)..... 開発エコノミスト(工業)	25
J-95-00453	Seminar on Economic Development Policies..... 経済政策セミナー	25

ADMINISTRATION 行政

J-95-00015	Seminar on Control of Narcotic Offences II..... 麻薬犯罪取締セミナー II	25
J-95-00029	Crime Prevention (Treatment of Offenders) II..... 犯罪防止(矯正保護)II	26
J-95-00092	Crime Prevention (Senior Seminar) II..... 犯罪防止(上級)II	26
J-95-00110	Crime Prevention (The Administration of Criminal Justice) II..... 犯罪防止(刑事司法)II	26
J-95-00059	Local Government II..... 地方行政 II	26
J-95-00091	National Government Administration II..... 国家行政 II	27
J-95-00320	Seminar on National Government Administration (Senior Class Officials)..... 上級国家行政セミナー	27
	Traffic Police Administration Seminar..... 交通警察行政研修	27
J-95-00194	Seminar on Criminal Investigation (Criminal Organization)..... 国際捜査セミナー(組織犯罪)	27
J-95-00342	Rescue and First Aid Techniques..... 救急救助技術	28
J-95-00362	Fire Fighting Techniques..... 消火技術	28
J-95-00395	Fire Service for Administrative Officers..... 消防行政管理者	28
J-95-00477	Disaster Prevention Administration..... 防災技術	28
J-95-00478	Fire Prevention Techniques..... 火災予防技術	29
J-95-00257	Government Auditing Seminar (Computer Auditing)..... 政府会計検査セミナー(コンピュータ会計検査)	29

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(Course No.)	
J-95-00217	Seminar on Taxation (General Tax Course) 29 国際税務行政セミナー(一般租税コース)
J-95-00115	Seminar on Taxation (Senior Tax Course) 29 国際税務行政セミナー(上級租税コース)
J-95-00123	Customs Techniques II 30 税関行政 II
J-95-00506	Environmental Policy 30 環境政策
J-95-00329	Environmental Engineering (Air Pollution Control) 30 環境技術(大気保全)
J-95-00448	Environmental Monitoring (Water Quality) 30 環境モニタリング(水質)
J-95-00449	Nature Conservation and Natural Parks Management 31 自然保護管理
J-95-00450	Lake Water Quality Management 31 湖沼水質保全
J-95-00468	System of Environment Management on Enclosed Coastal Seas 31 閉鎖性海域の環境管理技術
J-95-00289	Marine Pollution Surveillance and Control 31 海洋保全
J-95-00382	Air Pollution Control 32 大気汚染対策
J-95-00470	Air Pollution Source Monitoring Practice 32 大気汚染源モニタリング実習
J-95-00447	Measures to Reduce the Use of the Ozone Depleting Substances 32 オゾン層破壊物質削減技術
J-95-00454	Environmental Radioactivity Analysis and Measurement 32 環境放射能分析
J-95-00476	Environmental Impact Assessment 33 環境影響評価
J-95-00311	Industrial Pollution Control Engineering 33 産業環境対策
J-95-00398	Industrial Waste Water Treatment Technique 33 産業廃水処理技術
J-95-00469	Domestic Waste Water Treatment Technique 33 生活排水対策
J-95-00060	Practical Statistics II 34 統計実務 II
J-95-00254	Automatic Data Processing for Trainers 34 研修指導官のためのADP
J-95-00399	Government Information Systems 34 行政情報システム
J-95-00301	Information Processing Personnel (Personal Computer Programmer) 34 情報処理要員養成(パソコン・プログラマー)
J-95-00391	Information Processing Personnel (Personal Computer Network System Designer (A)) 35 情報処理要員養成(パソコンネットワークシステム設計者(A))
J-95-00510	Information Processing Personnel (Personal Computer Network System Designer (B)) 35 情報処理要員養成(パソコンネットワークシステム設計者(B))
J-95-00502	Information Processing Personnel (Instructor (Personal Computer Based)) 35 情報処理要員養成(パソコン専任インストラクター)

(Course No.)		
J-95-00299	Information Processing Personnel (Instructor (Mainframe Based)) 情報処理要員養成(メインフレーム専任インストラクター)	35
J-95-00306	Information Processing Personnel (Senior System Analyst/Designer (A)) 情報処理要員養成(上級システム・アナリスト(A))	36
J-95-00307	Information Processing Personnel (Senior System Analyst/Designer (B)) 情報処理要員養成(上級システム・アナリスト(B))	36
J-95-00309	Information Processing Personnel (Online Database System Designer (Mainframe Based (A)) 情報処理要員養成(オンラインデータベースシステム設計者(A))	36
J-95-00472	Information Processing Personnel (Online Database System Designer (Mainframe Based (B)) 情報処理要員養成(オンラインデータベースシステム設計者(B))	36
J-95-00522	Information Processing Personnel (UNIX Database System Designer (A)) 情報処理要員養成(UNIXデータベースシステム設計者(A))	37
J-95-00509	Information Processing Personnel (UNIX Database System Designer (B)) 情報処理要員養成(UNIXデータベースシステム設計者(B))	37
J-95-00300	Information Processing Personnel (DP Division Manager) (Mainframe Based) 情報処理要員養成(情報処理部門管理者)	37
J-95-00431	Electronics Engineering (Microcomputer) エレクトロニクス技術	37
J-95-00485	Office Automation Technology OA化技術	38

PUBLIC UTILITY WORKS 公益事業

J-95-00100	Water Supply Engineering II 上水道施設 II	38
J-95-00167	Sewage Works Engineering II 下水道技術 II	38
J-95-00111	Solid Waste Management and Night Soil Treatment II 廃棄物処理 II	38
J-95-00487	Waste Management Practice 廃棄物処理実習	39

TRANSPORTATION AND TRAFFIC 運輸交通

J-95-00323	Administration System for Motor Vehicles 自動車行政制度	39
J-95-00388	Modernization of Cargo Transport (Physical Distribution) 物流近代化	39
J-95-00103	Seminar on Highway Construction II ハイウェイセミナー II	39
J-95-00480	Project Planning for Urban Transport Infrastructure 都市交通プロジェクト計画	40
J-95-00462	Railway Management Planning 鉄道経営計画	40
J-95-00499	Seafarer's Management System 船員管理システム	40

GROUP TRAINING COURSES

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J-95-00379	Marine Technique (Navigator)	航海技術(航海士)	40
J-95-00380	Marine Technique (Engineer)	航海技術(機関士)	41
J-95-00148	Aids to Marine Navigation II	航路標識 II	41
J-95-00343	Maritime Search and Rescue Operation and Maritime Disaster Prevention	救難防災	41
J-95-00438	Liner Shipping Business	定期船実務	41
J-95-00440	Seminar on Port Administration and Management	港湾管理運営セミナー	42
J-95-00035	Port and Harbour Engineering II	港湾工学 II	42
J-95-00331	Development of Container Terminal	コンテナ埠頭整備計画	42
J-95-00318	Seminar on Aviation Security	航空保安セミナー	42
J-95-00400	Seminar on Air Traffic Control	航空管制セミナー	43
J-95-00222	Urban Transport Seminar	都市交通セミナー	43
J-95-00245	Comprehensive Urban Transportation Planning	総合都市交通施設計画	43
J-95-00012	Seismology and Earthquake Engineering II	地震工学 II	43
	Seminar on Seismology and Earthquake Engineering	地震工学セミナー	44
J-95-00187	Meteorology II	気象学 II	44
J-95-00211	Science and Technology for Disaster Prevention	防災科学技術	44
J-95-00401	Volcanology and Volcanic Sabo Engineering	火山学・火山砂防工学	44

INFRASTRUCTURE 社会基盤

J-95-00071	Bridge Engineering II	橋梁工学 II	45
J-95-00209	Construction Engineering II (Civil Works)	建設施工 II	45
J-95-00385	Construction Project Manager	建設施工管理者	45
J-95-00232	Soil Mechanics and Foundation Engineering	土質及び基礎工学	45
J-95-00258	Regional Development Policy Seminar	国土開発セミナー	46
J-95-00402	Seminar on Administration for Disaster Prevention	防災行政管理者セミナー	46

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J-95-00169	River and Dam Engineering II 河川及びダム工学 II	46
J-95-00027	City Planning II 都市計画 II	46
J-95-00325	Urban Development 都市整備	47
J-95-00230	Housing Policy 住宅政策	47
J-95-00349	Seminar on Improvement of Housing and Living Environments 住宅・住環境改善セミナー	47
J-95-00270	Architectural Engineering 建築技術	47
J-95-00479	Seminar on Advanced Technology of Construction 建設工事先進技術セミナー	48
J-95-00048	Survey and Mapping II 測量技術 II	48
J-95-00493	Hydrographic Survey (International Accredited Category B Course) 水路測量(国際認定B級)	48
	Physical Oceanographic Survey 海洋物理調査	48
J-95-00332	Nautical Charting 海図作製	49

POSTAL SERVICE, TELECOMMUNICATION AND BROADCASTING 通信・放送
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J-95-00180	Radio Frequency Monitoring II 電波監理 II	49
J-95-00098	Postal Executives' Seminar II 郵便幹部セミナー II	49
J-95-00403	Executives' Seminar on Postal Banking Services 為替貯金国際幹部セミナー	49
J-95-00024	International Telecommunication Services (Administration and Management) II 国際通信業務管理 II	50
J-95-00212	International Telephone Communication Engineering 国際電話通信技術	50
J-95-00267	International Data Communication Engineering 国際データ通信技術	50
J-95-00288	Data Communication Processing Engineering データ通信処理技術	50
J-95-00099	Satellite Communication Engineering II 衛星通信技術 II	51
J-95-00508	Digital Telecommunication Network Planning and Designing デジタル通信網計画設計	51
J-95-00404	Telecommunication Outside Plant Engineering Technique 通信線路技術指導者育成	51
J-95-00507	Seminar on Telecommunication Management 電気通信経営管理セミナー	51
J-95-00064	Telecommunication Executives' Seminar II 電気通信幹部セミナー II	52

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J-95-00216	Telecommunications Network (Switching Engineering) 通信網(交換技術)	52
J-95-00344	Digital Transmission Systems Engineering デジタル伝送技術	52
J-95-00333	Fiber Optic Outside Plant Engineering 光線路技術	52
J-95-00457	International Integrated Service Digital Network Telecommunication Engineering 国際ISDN通信技術	53
J-95-00500	Integrated Services Digital Network Communication Basic Engineering ISDN基礎通信技術	53
J-95-00458	Rural Telecommunication Engineering ルーラル通信技術	53
J-95-00459	CBT Courseware Development Technology for Telecommunication 電気通信CAI(コンピュータ利用による)教材作成技術	53
J-95-00495	Television Programme Production Engineering II テレビジョン番組制作技術 II	54
J-95-00496	Television Programme Production テレビジョン番組制作	54
J-95-00497	Television Engineering テレビジョン放送技術	54
J-95-00498	Television Social Education Programme II テレビジョン社会教育番組 II	54
J-95-00139	Broadcasting Executives' Seminar II 放送幹部セミナー II	55
J-95-00405	Audio Broadcasting Engineering 音声放送技術	55

AGRICULTURE 農業

J-95-00007	Agricultural Co-operatives II 農業協同組合 II	55
J-95-00008	Agricultural Extension Service for Leader II 農業普及指導者 II	55
J-95-00406	Women Leaders of Farm Household Development 農家生活水準向上女性指導者	56
J-95-00010	Rice Production 米生産	56
J-95-00350	Production du Riz 米生産(仏語)	56
J-95-00291	Rice Cultivation Technology 稲作技術	56
J-95-00120	Vegetable Crops Production II 野菜生産 II	57
J-95-00292	Vegetable Seed Production 野菜採種	57
J-95-00322	Sugar Cane Cultivation サトウキビ栽培	57
J-95-00237	Pesticide Utilization and Safety 農薬の利用と安全性	57

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J-95-00503	Integrated Pest Management for Plant Protection	58
	植物保護のための総合防除	
J-95-00275	Plant Genetic Resources	58
	植物遺伝資源	
J-95-00407	Plant Quarantine (Disinfestation of Fruit Flies)	58
	植物検疫(ミバエ類殺虫技術)	
J-95-00408	Soil Analysis and Improvement	58
	土壌分析改良	
J-95-00326	Effective Utilization of Tropical Agriculture and Forestry Resources	59
	熱帯農林資源の有効利用	
J-95-00474	Agricultural and Rural Development with Environmental Conservation	59
	農業・農村開発環境保全	
J-95-00484	Distribution of Fresh Fruits and Vegetables	59
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J-95-00093	Irrigation and Drainage II	59
	灌漑排水 II	
J-95-00159	Agricultural Land and Water Resources Development II	60
	農地水資源開発 II	
J-95-00348	Irrigation Water Management	60
	水管理	
J-95-00409	Water Resources Development and Its Use in Arid Areas	60
	乾燥地水資源の開発と利用	
J-95-00050	Farm Mechanization II	60
	農業機械化 II	
J-95-00276	Farm Machinery Design	61
	農業機械設計	
J-95-00433	Agricultural Machinery Management	61
	農業機械管理	
J-95-00446	Farm Machinery Testing	61
	農業機械評価試験	
J-95-00514	Post-Harvest Rice Processing	61
	米の収穫後処理技術	

ANIMAL HUSBANDRY 畜産

J-95-00061	Poultry Production and Breeding Technology	62
	鶏育種・生産技術	
J-95-00494	Breeding and Artificial Insemination in Cattle	62
	牛育種・人工授精	
J-95-00317	Embryo Transfer for Cattle	62
	受精卵移植技術	
J-95-00444	Twinning and In Vitro Fertilization Technology for Cattle	62
	双子生産・体外受精技術	
J-95-00334	Dairy Farming and Related Industries	63
	酪農振興・検査技術	

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(Course No.)

FORESTRY 林業

J-95-00335	Forest Soils	63
	森林土壌	
J-95-00445	Forest Management and Planning	63
	森林管理計画	
J-95-00501	Forest Research	63
	森林研究	
J-95-00386	Wood Based Materials Application Technology	64
	木質材料高度利用技術	

FISHERIES 水産

J-95-00518	Seminar on Fisheries Development Planning	64
	水産開発セミナー	
J-95-00520	Fisheries Management and Cooperatives (Intensive)	64
	漁業協同組合(インテンシブ)	
J-95-00215	Fishing Gear Development and Design	64
	漁具開発設計	
J-95-00432	Coastal Fishing Training and Extension	65
	沿岸漁業訓練普及	
J-95-00236	General Aquaculture	65
	養殖一般	
J-95-00410	Prawn Propagation Technique	65
	エビ増養殖技術	
J-95-00336	Marine Ranch (Marine Farm) System	65
	海洋牧場システム	
J-95-00351	Fish Physiology and Prevention of Epizootics	66
	魚類生理・防疫	
J-95-00277	Hull and Engine Maintenance of Small Fishing Boat	66
	小型漁船の船体・機関保守	
J-95-00515	Handling and Processing of Fish and Marine Products	66
	漁獲物処理	
J-95-00517	Quality Assurance of Marine Food	66
	水産食品品質保証	

MINING AND MINERALS 鉱業

J-95-00269	Coal Mine Safety	67
	石炭鉱山保安	
J-95-00294	Mineral Processing and Metallurgy	67
	選鉱製錬	
J-95-00441	Mining and Metallurgy	67
	資源開発	
J-95-00412	Research and Development on Materials and Resources	67
	材料および資源に関する技術研究	

(Course No.)

INDUSTRY 工業

J-95-00074	Senior Class Seminar on Small Industry Development II 中小工業開発セミナー II	68
J-95-00105	Implementation of TQC and Standardization Activities II..... TQC・標準化活動実践 II	68
J-95-00316	Seminar on Industrial Standardization and Quality Control..... 工業標準化・品質管理シニアセミナー	68
J-95-00242	Industrial Property System..... 工業所有権制度	68
J-95-00261	Seminar on Industrial Property 工業所有権セミナー	69
J-95-00513	Legal Metrology 法定計量	69
J-95-00235	Certification Systems 認証検査制度	69
J-95-00505	Ceramic Kiln and Firing Technology セラミック窯炉及び焼成技術	69
J-95-00387	High Technology Materials Application (Fine Ceramics, Composites, Metals)..... ファインセラミックス応用技術	70
J-95-00268	Polymer and Chemical Technology..... 物質工学研究	70
J-95-00337	Catalytic Science..... 触媒科学研究	70
J-95-00357	Bioindustries バイオインダストリー	70
J-95-00381	Organic Fine-Chemicals Technology 有機ファインケミカルズ工学	71
J-95-00394	Polymer Materials and Technology..... 高分子材料工学	71
J-95-00285	Industrial Biotechnology..... 生命工学研究	71
J-95-00443	Advanced Glass Technology 先進ガラス材料	71
J-95-00021	Qualified Metal Casting Technology II (Advanced Foundry Engineering) 高品位鋳物技術 II	72
J-95-00066	Surface Modification Technology for Materials (Anti-Corrosion, Surface Treatment of Metal, Non-Metal and New Materials) II 表面改質技術(金属・非金属・新素材及び防食)II	72
J-95-00204	Arc Furnace and Continuous Casting Control Technology..... 電炉・連続管理技術	72
J-95-00256	Steel Properties and its Applications 鋼材の加工と加工特性	72
J-95-00260	Heat Treatment Technology 熱処理技術	73
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J-95-00234	Mecanique Automobile Vehicules Diesel (Autobus, Camions Poids-Lourd)	バス・トラック整備技術(仏語)	73
J-95-00310	Automatic Control (General Introduction)	自動制御(基礎)	74
J-95-00338	Machine Condition Diagnosis Technique (Inspection Technique for Plant Maintenance)	設備診断技術	74
J-95-00413	Plant Maintenance Management	保全管理	74
J-95-00339	Mechanical Spare Parts for Plant Maintenance (Design, Manufacturing, Testing and Management)	プラント用機械保全部品	74
J-95-00175	High Technology of Metal Works II	金属加工高品質化技術 II	75
J-95-00266	Factory Management for Production Managers in Machining Industry	生産工程管理技術	75
J-95-00383	Air-Conditioning Engineering	空調技術	75
J-95-00414	Material Handling System in the Plant for High Productivity	工場搬送システム	75
J-95-00415	Oil Hydraulics and Its Application	油圧とその応用	76
J-95-00416	Inspection and Testing Techniques for Household Electrical Appliances	家庭用電気製品検査技術	76
J-95-00464	Ship Safety and Marine Pollution Prevention	船舶安全・海洋汚染防止	76
J-95-00475	Automobile Safety and Pollution Control Technology	自動車の安全・公害対策技術	76
J-95-00488	Renovation of Industrial Equipment	設備のリノベーション	77
J-95-00417	Inspection and Testing Technique for Textile Products	繊維製品検査技術	77
J-95-00239	Packaging Engineering	包装技術	77
J-95-00366	Advanced Industrial Technology	産業技術研究	77
J-95-00363	Industrial Pollution Control Research	産業公害防止	78
ENERGY エネルギー			
J-95-00315	Energy Conservation	省エネルギー	78
J-95-00418	Energy Management	エネルギー管理	78
J-95-00055	Hydro-Electric Power Engineering II (for Electrical/Mechanical Engineers)	水力発電 II(電気・機械)	78

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J-95-00352	Operation and Maintenance of Coal-Fired Thermal Power Plants 石炭火力発電	79
J-95-00419	Nuclear Power Generation 原子力発電	79
J-95-00153	Electric Power Management II 電気事業経営 II	79
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J-95-03079	General Agriculture (OISCA Special Training Course) 117 オイスカ一般農業
J-95-03246	Seed Production of Upland Crops 117 畑作物の種苗生産
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J-94-03269	Horticulture in Protected Environment 118 施設園芸技術
J-94-03214	Gene Manipulation for Agriculture 118 農業生産のための遺伝子操作技術
J-95-03216	Agricultural and Rural Development 118 農業農村整備
J-94-03261	Automation of Agricultural Machinery (Agri-Mation) 118 農業機械自動化技術

ANIMAL HUSBANDRY 畜産

J-95-03187	Swine Production and Breeding Technology 119 豚育種・生産技術
J-94-03247	Forage Production and Utilization Technology for Ruminant Animals 119 飼料生産・利用技術
J-95-03150	Advanced Technology for Veterinary Diagnosis 119 獣医バイオ診断技術
J-95-03193	Laboratory Diagnosis of Poultry Diseases 119 家禽疾病の診断技術
J-94-03248	Advanced Studies on Protozoan Diseases 120 上級原虫病研究

FORESTRY 林業

J-95-03157	Devastated Forest Restoration Technique 120 荒廃林地復旧技術
J-94-03245	Reforestation Promotion Leader 120 森林造成指導者
J-94-03262	Sustainable Management of Mangrove Ecosystems 120 持続可能なマングローブ生態系管理技術
J-94-03267	Application of Symbiotic Microorganisms in Tropical Agriculture and Forestry 121 熱帯農林業における共生微生物の利用技術

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POLICIES FOR DEVELOPMENT

Sep. 5, '95 - Mar. 19, '96, 12 participants

開発政策

J-95-00171

- PURPOSE** The purpose of the course is to train the participants to learn the way of applying development economics to development planning in developing countries. The participants will be introduced to (1) national and regional development planning, and the interrelationship of individual projects, using case studies of developing countries and Japan, (2) the method of preparing feasibility studies of agricultural, industrial, transportation, public utility, and mining development projects, (3) the theory of project appraisal and planning by case studies so as to apply new knowledge to the workshops as practice.
- MAIN FEATURES OF CURRICULUM** The following major subjects will be covered in the course. (1) development economics (2) theories and techniques of project planning (3) macro development planning (4) Japanese economic development (5) statistical analysis and national accounts (6) macro-sectoral workshop (7) thesis making. All the participants will be requested to write a research paper based on the knowledge and techniques of economic analysis.
- QUALIFICATION OF APPLICANT** (1) working on the planning or implementation of national or regional development projects and policy, and preferably be under 35 years of age (2) has an undergraduate degree in economics or business administration as well as basic experience and knowledge regarding development projects (3) has a good background of mathematics
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) International Development Center of Japan (IDCJ)

SEMINAR ON ECONOMIC DEVELOPMENT POLICIES

June 6, '95 - July 23, '95, 16 participants

経済政策セミナー

J-95-00453

- PURPOSE** This seminar is designed to introduce Japan's experiences of economic development policies to the participants, and derive some relevance for their further development planning through lectures, report presentations, discussions and field trip.
- MAIN FEATURES OF CURRICULUM** This seminar covers the following. (i) Country Report presentation and discussion (ii) lecture-cum-discussion (a) macroeconomic aspects (i) Japan's economic development (ii) economic planning in Japan (iii) trade and development (iv) infrastructure investment and economic development (v) role of government in economic development (vi) industrial policy of Japan (vii) technology development of Japan (viii) human resources development in Japan (ix) financial development (x) social aspect of economic development (b) sectoral aspects (xi) agricultural development in Japan (xii) linkage between agricultural and industrial development (3) final report writing, presentation, and revision
- QUALIFICATION OF APPLICANT** (1) central government planner engaged in economic development planning and have at least 7 years' occupational experience in this field (2) have an academic background in economics or those having proper experience and knowledge on economic policy and planning (3) between 30 and 40 years of age
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Economic Planning Agency (EPA) (3) Japan Research Institute

DEVELOPMENT ECONOMICS (INDUSTRIAL PROJECT)

May 22, '95 - July 30, '95, 14 participants

開発エコノミスト(工業)

J-95-00203

- PURPOSE** The purpose of the course is to present to the participants an overview of theory and practice of industrial development drawing upon the Japanese experiences as well as the methods of financial and economic analysis of industrial projects practiced at the World Bank, the Asian Development Bank and other international development organizations including the Overseas Economic Cooperation Fund of Japan. (The linkage between macro economic planning and micro project analysis is discussed through lectures, workshop and observation tours.)
- MAIN FEATURES OF CURRICULUM** This course is mainly composed of three parts: (1) Japanese experience of economic development, (2) project appraisal, and (3) workshop. Japanese experience introduces the applicability to developing countries on macro-economic and sectoral development planning; and the relations between macro-economic approach and micro-economic (project) analysis. The part on project appraisal presents theory and technique of financial, economic and social analysis of industrial projects; as well as case studies. In the final part, it is requested to apply the knowledge and technique obtained through lectures and discussions to practical use in group work as workshop of project appraisal, and make a report as a result of participating in this training program.
- QUALIFICATION OF APPLICANT** (1) minimum of three years' work experience in the fields covered by the course, i.e. industrial development planning and/or industrial project formulation, implementation or evaluation, together with a reasonable length of time in their present position (2) between 30 and 40 years of age (3) possess a university degree and academic background in economics
- TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) International Development Center of Japan (IDCJ)

SEMINAR ON CONTROL OF NARCOTIC OFFENCES II

Oct. 10, '95 - Oct. 27, '95, 18 participants

麻薬犯罪取締セミナーII

J-95-00015

- PURPOSE** The purpose of the seminar is to study effective and practical measures to eradicate drug offences as well as to further intensify international cooperation and deepen mutual understanding among the nations concerned through discussion and exchange of experiences with the problems, thus to contribute to the eradication of drug offences.
- MAIN FEATURES OF CURRICULUM** This seminar covers the following topics. (1) Lecture (a) police activities in Japan (b) current trends and situation in drug offences and their countermeasures in Japan (c) Japanese organized crime syndicates (Yakuza) (d) international investigative cooperation (e) outline of system and activities of ICPO (f) outline of drugs identification in Japan (2) comparative study (Country Report presentation) (a) major drug problems facing each society (b) current situation of drug abuse in each country (c) laws and regulation (confiscation of proceedings, etc.) (d) investigative methods/techniques (e) deportation procedures (3) discussion and problem solving (a) major drug problems in each country/region (b) ways to improve international investigative cooperation
- QUALIFICATION OF APPLICANT** (1) official in the rank of director of division or its equivalent in charge of drug law enforcement at the central government (2) have experience of more than three years in drug law enforcement (3) have identification techniques
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) National Police Agency (NPA)

**CRIME PREVENTION
(TREATMENT OF OFFENDERS) II**

Apr. 10, '95 - July 9, '95, 15 participants

犯罪防止(矯正保護)II

J-95-00029

- 1. PURPOSE** The purpose of the course is to provide the participants with an opportunity to study and to discuss various contemporary problems concerning the effective treatments of drug offenders and juvenile delinquents
- 2. MAIN FEATURES OF CURRICULUM** This course is mainly conducted in the form of discussions based upon the knowledge and experience of the participants with the advice of the faculty and visiting experts. A characteristic feature of the course is group discussions, through which the knowledge and experience of the participants will be utilized to the fullest extent. The major training programmes for the course are as described below.
(1) comparative study on the effective treatment of drug offenders and juvenile delinquents (2) group workshops on topics selected by the participants (3) lectures by specialists on subjects relating to the main theme of "Effective Treatment of Drug Offenders and Juvenile Delinquents" and other subjects of general interest. (4) Visits to several relevant institutions and agencies. (5) cultural and other programmes.
- 3. QUALIFICATION OF APPLICANT** (1) holds a relatively senior position in a central bureau, department or field agency concerned with the treatment of offenders, and has at least five years of practical experience in one's field (2) university graduate or equivalent (3) over 26 and under 50 years of age
- 4. TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) United Nations Asia and Far East Institute for the Prevention of Crime and the Treatment of Offenders (UNAFEI)

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

Sep. 4, '95 - Dec. 3, '95, 15 participants

犯罪防止(刑事司法)II

J-95-00110

- 1. PURPOSE** The purpose of the course is to provide the participants with an opportunity to study and to discuss contemporary problems concerning crimes and their effective countermeasures.
- 2. MAIN FEATURES OF CURRICULUM** To achieve the above purpose, the course emphasizes the discussions on crime prevention activities, effective investigation of urban crime, urbanization and juvenile delinquency, and role of criminal justice in protecting environment, through which the participants will acquire the abilities in (1) analyzing the present situation of urban crime and to find possible measures to prevent it, (2) examining the effective measures to cope with difficulties in criminal justice administration related to urban crime, (3) searching the effective juvenile justice administration, (4) collecting enough information on legislation regarding environmental crime, (5) understanding what role criminal justice administration should play in protecting the natural environment. In the course, the participants will be divided into small groups chosen by themselves and given ample opportunity to exchange views and experiences on selected problems. The result of the discussions will be summarized and published.
- 3. QUALIFICATION OF APPLICANT** (1) hold a relatively senior position in a central bureau, department or field agency concerned with investigation, prosecution, trial or prevention of crime or treatment of offenders, and who has at least eight years of practical experience in one's field plus a university degree or equivalent (2) not more than 50 years of age
- 4. TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) United Nations Asia and Far East Institute for the Prevention of Crime and the Treatment of Offenders (UNAFEI)

CRIME PREVENTION (SENIOR SEMINAR) II

Jan. 22, '96 - Mar. 3, '96, 20 participants

犯罪防止(上級)II

J-95-00092

- 1. PURPOSE** The purpose of the seminar is to provide the participants with the opportunity to exchange information on the current situation and characteristics of organized crime in each country, to discuss various issues regarding organized crime and thus to formulate efficacious and appropriate policies to combat organized crime on a national and international level.
- 2. MAIN FEATURES OF CURRICULUM** To achieve the above purpose, this course emphasizes discussions on the efficacious and appropriate criminal justice policies for organized crime control, innovative legislation for organized crime suppression, and development of international cooperation for organized crime control and the role of the United Nations, through which the participants will acquire the abilities in: (1) analyzing the current situation of organized crime, (2) exploring efficacious and appropriate criminal justice policies for organized crime control, (3) elaborating innovative legislation for the suppression of organized crime, and (4) studying international instruments to combat organized crime and examining effective ways and means for further development of international cooperation in this field. In the course, the participants will be divided into small groups chosen by themselves and given ample opportunity to exchange views and experiences on selected problems. The result of the discussions will be summarized and published.
- 3. QUALIFICATION OF APPLICANT** (1) high-ranking criminal justice administrator at the policymaking level whose duties are closely related to the main theme of the seminar, and the rank of divisional director level or above in the central bureau of the agencies concerned with criminal justice, e.g., Ministry of Justice, Ministry of Interior, Supreme Court, etc. (2) between 35 and 55 years of age with the expectation to continue to work in this field for a minimum period of two years
- 4. TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) United Nations Asia and Far East Institute for the Prevention of Crime and the Treatment of Offenders (UNAFEI)

LOCAL GOVERNMENT II

May 9, '95 - July 19, '95, 10 participants

地方行政II

J-95-00059

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

NATIONAL GOVERNMENT ADMINISTRATION II

May 16, '95 - July 2, '95, 10 participants

国家行政II

J-95-00091

- 1. PURPOSE** The main purposes of this course are: (1) to assist participants in seeking better ways to improve public administration in order to assure efficient formation of policy. (2) to introduce them to modern public administration appropriate to economic and social development.
- 2. MAIN FEATURES OF CURRICULUM** This course focuses on the early stage (fundamental phase) of modernization in development countries with reference to the Japanese experience after the Meiji Restoration (1868). It covers the following topics. (1) modernization in Japan (a) public administration and civil service system (b) modernization process (2) fundamental policy areas for modernization - case study (lectures on the policy process of specified cases will be given with reference to previously made observations of actual policy implementation.) This year's case study will come from the following subjects: (a) developmental policy of private industry (b) educational system (c) infrastructure building - transportation (d) infrastructure building - communication (3) fundamental policy areas - framework analysis (a) policy process in Japan (b) human resource management (c) financial management (d) role of administration in development (4) modernization of public administration in participating countries - discussion (a) developmental policy of private industry (b) modernization of educational system (c) improvement of human resource management in the public sector. * Chairpersons and reporters will be nominated by participants. The reporters are obliged to report the conclusions of their discussions at the concluding discussion session.
- 3. QUALIFICATION OF APPLICANT** (1) governments officer promising to be a senior member of the staff in the national government offices, and be related with policy formation (2) university graduate or equivalent, with occupational experience of more than five years in public administration (at least two years of experience in the government) (3) not less than 30, and not more than 40 years of age
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) National Personnel Authority

TRAFFIC POLICE ADMINISTRATION SEMINAR

(not conducted in JFY 1995)

交通警察行政研修

- 1. PURPOSE** The purpose of the seminar is to broadly introduce traffic police administration in Japan to participants through lectures and technical visits, and also to provide opportunities to exchange information on traffic police in participating countries and to study measures to solve traffic problems of their mutual concern, thus to contribute to the betterment of traffic police administration in the developing countries.
- 2. MAIN FEATURES OF CURRICULUM** This seminar covers the following topics. (1) general subjects (lecture) (a) Japanese police system (b) chronological summary of road traffic measures (c) application of computers by the police (2) specialized subjects (lectures) (a) Japanese police system (b) traffic accidents statistics and analysis (c) traffic law enforcement (d) method for disposition of road traffic law violation (e) actuality and definitive implementation of traffic control (f) traffic control & monitoring system and traffic safety facilities (g) traffic police activities on expressways (h) outline of driver licence system (i) measures to be taken for drivers (j) prevention of traffic accidents and traffic engineering (k) structure, maintenance and management of road (l) vehicle safety standards (m) aid to victims of automobile accidents and automobile insurance system (n) traffic count (3) presentation of Country Reports by participants and exchange of views on them among participants and related staff of NPA
- 3. QUALIFICATION OF APPLICANT** (1) director or chief police superintendent who supervises or deals with traffic police affairs in the central police organization (2) university graduate or equivalent
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Traffic Planning Division, Traffic Bureau, National Police Agency (NPA)
- 5. REMARKS** The course is conducted every other year. This year (in Japanese Fiscal Year 1995) this course will not be conducted;

SEMINAR ON NATIONAL GOVERNMENT ADMINISTRATION (SENIOR CLASS OFFICIALS)

Nov. 5, '95 - Dec. 9, '95, 10 participants

上級国家行政セミナー

J-95-00320

- 1. PURPOSE** The purposes of this seminar are: (1) to introduce participants to recent trends in public administration and policy formation (2) to assist them in considering ways to refine public administration in order to assure the creation of flexible and adequate policy formation and implementation appropriate to economic and social development.
- 2. MAIN FEATURES OF CURRICULUM** As the targeted period of development, this seminar focuses on the take-off stage of modernization referring to Japanese experience in the era of her high-speed economic growth after World War II. It covers the following topics: (1) modernization of government administration case study (a) public facilities (b) research & development policy formation (a) intervention by the government for development (b) industrial policy (c) research & development (d) role of administration for development (2) economic and social development in the participating countries (a) economic development for developing countries (b) industrial policy for development
- 3. QUALIFICATION OF APPLICANT** (1) ranked senior class official (at least director of division and who is participant in policy formation) (2) university graduate or equivalent, with occupational experience of more than ten years (at least two years of experience in the government) (3) not less than 35, and not more than 45 years of age
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) National Personnel Authority

SEMINAR ON CRIMINAL INVESTIGATION (CRIMINAL ORGANIZATION)

Apr. 4, '95 - Apr. 28, '95, 10 participants

国際捜査セミナー(組織犯罪)

J-95-00194

- 1. PURPOSE** This seminar is designed with a view to contributing to further development of knowledge and techniques of criminal investigation: (1) to familiarize participants with the system, equipment, and facilities for criminal investigation and identification now in operation in Japan, and (2) to provide participants with common arena for study and discussion of problems and issues concerning criminal investigation.
- 2. MAIN FEATURES OF CURRICULUM** This seminar covers the following topics. (1) lecture (a) police system in Japan (b) international criminal investigation (c) investigation of organized crime (d) investigation of drug offences (e) firearms control (f) crime identification activities (g) community police activities (2) Country Report presentation and discussion
- 3. QUALIFICATION OF APPLICANT** (1) commanding police officer (superintendent, major, or higher) in charge of criminal investigation in the central police organization
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) National Police Agency (NPA)

RESCUE AND FIRST AID TECHNIQUES

Aug. 22, '95 - Nov. 23, '95, 6 participants

救急救助技術

J-95-00342

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

FIRE FIGHTING TECHNIQUES

Aug. 7, '95 - Nov. 24, '95, 10 participants

消火技術

J-95-00362

- PURPOSE** The main purposes of this training course are as follows: (1) to enable participants to understand the outline of the organization, systems and roles of fire service administration, as well as the present situation of various disasters in Japan; (2) to help participants acquire knowledge and techniques to rescue people and extinguish fires such as high-rise building fires, hazardous and petroleum material fires, mountain fires, forest fires, ship fires and aircraft fires, at the early stage by commanding fire-fighting units on the ground, utilizing various fire engines, fire-fighting techniques and equipment.
- MAIN FEATURES OF CURRICULUM** The course will be conducted in the form of lectures, practical training, visits, study trips, and presentation of Country Reports. Lectures will be given mainly by using textbooks and audio visual equipment such as video tapes and films. Practical training will be given by utilizing all kinds of fire engines; fire fighting equipment and tools. The training course is programmed to provide following knowledge and techniques: (1) rescuing people from different types of fires promptly and controlling fires by commanding fire fighting units effectively (2) roles and functions of fire engines and equipment in Japan (3) outline of the history and systems of fire service administration in Japan (4) present situation of disasters and measures to cope with disasters caused by urbanization (5) roles of fire service organizations and activities of fire fighting personnel in Japan (6) fire service administration of the participating countries by comparing and discussing the present situation of fire service administrative activities of respective countries.
- QUALIFICATION OF APPLICANT** (1) presently engaged in fire service, have at least five years' experience (2) university graduate or equivalent (3) 40 years of age or less.
- TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) Fire Defence Agency, Ministry of Home Affairs (3) Kitakyushu City Fire Department; Fire Training Centre.
- REMARKS** (1) A compulsory 75 hour Japanese language course will be conducted prior to the technical training.

FIRE SERVICE FOR ADMINISTRATIVE OFFICERS

Sep. 19, '95 - Nov. 12, '95, 8 participants

消防行政管理者

J-95-00395

- PURPOSE** The purpose of this course is to provide the participants with opportunities for studying administrative methods such as fire defence setups, system and fire personnel training and education through lectures, observations of Japanese fire service activities, and exchanging opinions about issues in the participating countries through seminars, thereby contributing to further fire service improvement in each country.
- MAIN FEATURES OF CURRICULUM** In this course, the following major subjects will be covered through lectures, country report and field trips: (1) administrative functions (a) effective administrative systems in fire service (b) optimum standards for fire equipment and personnel (c) effective communication and cooperation among fire authorities (2) fire service personnel (a) improving capabilities of fire personnel (b) development and improvement of fire protection equipment (3) dissemination of fire protection awareness (a) fire education for school children and citizens (b) current status of fire insurance (4) promotion of fire prevention (a) consent to and control over facilities and their management (b) control of hazardous materials (5) volunteer fire corps (a) fire equipment standards and on-duty casualty compensation systems (b) linkage with volunteer fire corps.
- QUALIFICATION OF APPLICANT** (1) university graduate or equivalent with occupational experience (2) under 40 years of age (3) administrative officer or candidate for administrative officer, who is presently engaged in planning/drafting of Fire Service Systems, or in work in administrative sections for Fire Service Implementation.
- TRAINING INSTITUTIONS** (1) Tokyo International Center (TIC), JICA (2) Fire Defence Agency (FDA)

DISASTER PREVENTION ADMINISTRATION

Oct. 10, '95 - Dec. 3, '95, 6 participants

防災技術

J-95-00477

- PURPOSE** The purpose of this course is to provide the participants with opportunities for studying disaster prevention administrative methods such as fire defence setup, systems and fire personnel training and education through lectures and observations, referring to Japanese fire service activities. The course will include seminars for the exchange of opinions about issues among participating countries, thereby contributing to further fire service improvement in each country.
- MAIN FEATURES OF CURRICULUM** The following major subjects will be covered in the course: (1) legislation governing disaster prevention (2) present status of disaster prevention systems (3) operation of disaster prevention systems (4) disaster information (5) role of fire service in disaster prevention (6) trend of recent disasters (7) improvement of disaster prevention system.
- QUALIFICATION OF APPLICANT** (1) university graduate or equivalent (2) administrative officer or a person belonging to fire defense organization presently engaged in planning/drafting of Fire Service System, or in administrative section for the service implementation (3) not more than 40 years of age.
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Fire Defence Agency (FDA), Ministry of Home Affairs.

FIRE PREVENTION TECHNIQUES

Sep. 18, '95 - Dec. 7, '95, 6 participants

火災予防技術

J-95-00478

- 1. PURPOSE** The course is designed for an administrative officer or candidate engaged in planning/drafting of Fire Service System, in order to upgrade the knowledge about the Japanese administration for fire fighting and disaster prevention and the activities to prevent fires and natural disasters through lectures and observations.
- 2. MAIN FEATURES OF CURRICULUM** In the course, the emphasis is put on lectures, practical training and observations. The main themes are; (1) system of fire services and preventing disasters in Japan (2) system to prevent fires in advance (3) system to prevent natural disasters
- 3. QUALIFICATION OF APPLICANT** (1) university graduate or equivalent with occupational experience (2) administrative officer or candidate for it, who is presently engaged in planning/drafting of Fire Service System, or in administrative section for Fire Service Implementation (3) not more than 40 years of age
- 4. TRAINING INSTITUTIONS** (1) Nagoya International Training Centre (NITC); JICA (2) Nagoya City Fire Department (3) Fire Stations in Nagoya City
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for two weeks (50 hours).

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

Aug. 28, '95 - Dec. 10, '95, 20 participants

国際税務行政セミナー(一般租税コース)

J-95-00217

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

**GOVERNMENT AUDITING SEMINAR
(COMPUTER AUDITING)**

Mar. 5, '96 - Apr. 7, '96, 12 participants

政府会計検査セミナー(コンピュータ会計検査)

J-95-00257

- 1. PURPOSE** The purpose of this seminar is to give SAI (Supreme Audit Institution) auditors an opportunity to study and discuss computer audit aspects and techniques and thus contributes to SAI auditors' audit capabilities in this field.
- 2. MAIN FEATURES OF CURRICULUM** This seminar aims to introduce Japan's experience in computer auditing. The main themes are: (1) computer system in the Board of Audit (2) system audit and case study (3) evaluation of computer system (4) audit of computerized system (5) computer-assisted audit techniques
- 3. QUALIFICATION OF APPLICANT** (1) official of the Supreme Audit Institution, who have no less than ten years of audit experience (2) have basic knowledge of computer (3) have actual work experience of computer auditing (4) under 45 years of age
- 4. TRAINING INSTITUTIONS** (1) Hachioji International Training Centre (HITC), JICA (2) Board of Audit

SEMINAR ON TAXATION (SENIOR TAX COURSE)

Sep. 11, '95 - Oct. 7, '95, 10 participants

国際税務行政セミナー(上級租税コース)

J-95-00115

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

CUSTOMS TECHNIQUES II

Aug. 29, '95 - Oct. 24, '95, 20 participants

税関行政II J-95-00123

- PURPOSE** The purpose of the course is to contribute to the development and improvement of customs techniques in developing countries through the introduction of the Japanese customs system and techniques and carrying out comparative studies. At the same time, it aims at deepening mutual understanding and promoting friendly relationship among participating countries and Japan.
- MAIN FEATURES OF CURRICULUM** The course covers following subjects: (1) organization and function of the Japanese customs administration (2) customs and tariff policy, the revision of tariff rates (3) export and import clearance procedures and those for postal items and containerized cargoes, and computerized clearance system (4) classification techniques under the Harmonized System (5) "Hozel" (bond) area system (6) differences between the GATT Valuation Code and Brussels Definition of Value, and characteristics and modus operandi of the GATT Code (7) surveillance and control (8) provisions and customs powers in connection with customs offences, and the system for legal disputes and appeals concerning customs administration
- QUALIFICATION OF APPLICANT** (1) university graduate or equivalent (2) currently Customs officials at middle level (3) under 35 years of age
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Custom and Tariff Bureau, Ministry of Finance (3) Tokyo, Yokohama, Kobe, Osaka and Nagoya Custom House

**ENVIRONMENTAL ENGINEERING
(AIR POLLUTION CONTROL)**

Jan. 22, '96 - Mar. 10, '96, 10 participants

環境技術(大気保全) J-95-00329

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

ENVIRONMENTAL POLICY

Oct. 3, '95 - Nov. 26, '95, 10 participants

環境政策 J-95-00506

- PURPOSE** The purpose of the course is to introduce through lectures and observation of facilities, the Japanese comprehensive measures on environmental issues to administrators who are in charge of policy making on environmental administration in developing countries. This course also aims to contribute to the progress of environmental administration in developing countries by means of exchanging opinions concerning present conditions and prospects on environmental administration of each country.
- MAIN FEATURES OF CURRICULUM** This course is so designed that the participants would (1) understand the overall Japanese environmental administration including the technical progress, and (2) acquire the knowledge to manage the environmental administration of their countries in consideration of global environmental problems. The main subjects (tentative) are as follows: (1) framework and historical, technological background of Japanese environmental administration (2) economic approach to environmental administration (3) attitude toward global environmental problems both in Japan and other countries (4) environmental impact and development (5) technological field of environmental measurement (observation) (6) development site (observation) (7) present conditions and prospects in developing countries (8) action plan
- QUALIFICATION OF APPLICANT** (1) presently engaged directly in policy-drafting in environmental administration in the governmental or related public organization with experience of at least five years (2) university graduate or equivalent (3) under 45 years of age
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Global Environmental Department, Environmental Agency (3) Japan Environmental Sanitation Center

**ENVIRONMENTAL MONITORING
(WATER QUALITY)**

Sep. 19, '95 - Nov. 11, '95, 10 participants

環境モニタリング(水質) J-95-00448

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

**NATURE CONSERVATION AND
NATURAL PARKS MANAGEMENT**

Aug. 29, '95 - Oct. 1, '95, 10 participants

自然保護管理

J-95-00449

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

**SYSTEM OF ENVIRONMENT MANAGEMENT
ON ENCLOSED COASTAL SEAS**

Sep. 25, '95 - Dec. 3, '95, 6 participants

閉鎖性海域の環境管理技術

J-95-00468

- 1. PURPOSE** The purpose of the course is to provide the officials in administrative bodies which are engaged in the environmental management of enclosed coastal seas with the following aspects: (1) technical knowledge related to environmental management strategies specifically applied to Seto Inland Sea, which would give the participants opportunities to examine possible applicabilities of these strategies to their respective countries, (2) an opportunity in which the participants can discuss with Japanese expert in environmental management field and exchange views and opinions.
- 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) general view (2) phenomena and mechanism of water pollution (3) modeling (4) investigation and measurement (5) management techniques (6) environmental management policies (7) public awareness
- 3. QUALIFICATION OF APPLICANT** (1) leading officer in administrative body presently engaged in environmental management of enclosed coastal seas (2) university graduate and/or those who have equivalent practical experience of not less than three years in the field of environment on enclosed coastal seas (3) not less than 26, and not more than 40 years of age
- 4. TRAINING INSTITUTIONS** (1) Hyogo International Centre (HIC), JICA (2) Environmental Conservation Association of Seto Inland Sea (3) Environmental Science Institute of Hyogo Prefecture
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for several days.

LAKE WATER QUALITY MANAGEMENT

Jan. 8, '95 - Mar. 28, '96, 10 participants

湖沼水質保全

J-95-00450

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

**MARINE POLLUTION SURVEILLANCE AND
CONTROL**

Aug. 31, '95 - Nov. 20, '95, 8 participants

海洋保全

J-95-00289

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

AIR POLLUTION CONTROL

Sep. 4, '95 - Dec. 24, '95, 9 participants

大気汚染対策

J-95-00382

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

AIR POLLUTION SOURCE MONITORING PRACTICE

Sep. 4, '95 - Dec. 17, '95, 9 participants

大気汚染源モニタリング実習

J-95-00470

- PURPOSE** The purpose of the training course is to upgrade the technical skills of personnel who are currently engaged in air pollution monitoring practice.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on introduction of Japanese experience on air pollution control through air pollution monitoring practice such as ambient air and automobile exhaust gas, in order to acquire the knowledge and skills to enable participants to apply them to each country. The subjects covered in the course are: (1) basic theory on local administration (2) basic theory on environmental engineering and health effect by air pollution (3) administrative framework on air pollution control in Kitakyushu and Japan (4) practical training on ambient air quality monitoring (5) air pollution monitoring by biological methods (6) practical training on air pollution source monitoring (7) simulator operation in coal-fired thermal power station (8) monitoring methods of automobile exhaust gas
- QUALIFICATION OF APPLICANT** (1) engineers who have three or more years of experience in air pollution source monitoring and/or equivalent technical knowledge (2) university graduate or equivalent (3) 40 years of age or less
- TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) Kitakyushu International Techno-cooperative Association (3) Kitakyushu City Government
- REMARKS** (1) A compulsory 25 hour Japanese language course will be conducted prior to the technical training.

MEASURES TO REDUCE THE USE OF THE OZONE DEPLETING SUBSTANCES

Jan. 25, '96 - Mar. 3, '96, 15 participants

オゾン層破壊物質削減技術

J-95-00447

- PURPOSE** The purpose of the course is to provide participants with the latest scientific knowledge and information, a legal framework and other policy measures, substitutes and alternative technologies, in relation to reducing the use of ozone depleting substances.
- MAIN FEATURES OF CURRICULUM** The participants are expected to acquire knowledge and information on the following: (1) state of ozone science and its research (2) outline of the Vienna Convention and the Montreal Protocol (3) policy measures for the protection of the ozone layer (4) substitutes for controlled substances (5) alternative technology to reduce consumption of ozone depleting substances
- QUALIFICATION OF APPLICANT** (1) presently engaged in a government organization administering either industrial policy or environmental policy related to CFCs (Chloro Fluoro Carbons) or other ozone depleting substances (2) university graduate or equivalent (3) from 30 to 45 years of age
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Ministry of International Trade and Industry (3) Japan Industrial Conference for Ozone Layer Protection (JICOP)

ENVIRONMENTAL RADIOACTIVITY ANALYSIS AND MEASUREMENT

Sep. 12, '95 - Oct. 22, '95, 5 participants

環境放射能分析

J-95-00454

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

ENVIRONMENTAL IMPACT ASSESSMENT

May 30, '95 - June 28, '95, 10 participants

環境影響評価

J-95-00476

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

INDUSTRIAL WASTE WATER TREATMENT TECHNIQUE

July 24, '95 - Dec. 6, '95, 8 participants

産業廃水処理技術

J-95-00398

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

INDUSTRIAL POLLUTION CONTROL ENGINEERING

June 12, '95 - Oct. 18, '95, 8 participants

産業環境対策

J-95-00311

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

DOMESTIC WASTE WATER TREATMENT TECHNIQUE

Aug. 28, '95 - Dec. 14, '95, 10 participants

生活排水対策

J-95-00469

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

PRACTICAL STATISTICS II

Sep. 25, '95 - Mar. 29, '96, 33 participants

統計実務II

J-95-00060

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

GOVERNMENT INFORMATION SYSTEMS

Jan. 9, '96 - Mar. 6, '96, 10 participants

行政情報システム

J-95-00399

- PURPOSE** The purpose of this course is to provide participants with the fundamental knowledge and methodology necessary for overall management, promotion and coordination of GIS, and to train such participants to implement GIS (Government Information Activities) efficiently in their respective countries.
- MAIN FEATURES OF CURRICULUM** This course mainly consists of lectures and individual research work. The main topics of the lectures are: (1) present situation and policies for overall management and coordination of GIS (2) basic matters for construction of GIS (database, network, office automation, systems security, etc.) (3) trends of new information-oriented society (freedom of information, protection of privacy, etc.) (4) latest information technology. At the end of the course, each participant is to present the report written in their individual work.
- QUALIFICATION OF APPLICANT** (1) official who belongs to a government body responsible for overall management and coordination of Government Information Systems, or a government body in a state of planning, which shall be responsible or considered suitable for the task mentioned above (2) have the knowledge and skills in computer data processing, preferably with experiences in developing and/or managing Government Information Systems (3) under 40 years of age (4) university graduate or equivalent
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Office of Government Information systems Planning Division, Administrative Management Bureau, Management and Coordination Agency

AUTOMATIC DATA PROCESSING FOR TRAINERS

May 9, '95 - July 16, '95, 20 participants

研修指導官のためのADP

J-95-00234

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

**INFORMATION PROCESSING PERSONNEL
(PERSONAL COMPUTER PROGRAMMER)**

Aug. 3, '95 - Nov. 27, '95, 11 participants

情報処理要員養成(パソコン・プログラマー)

J-95-00301

- PURPOSE** This course is designed to train personnel who works with personal computers in the office. Through lectures, workshop and observation tours, this course introduces concepts, basic knowledge and technical skills required for implementing small-scale information processing systems with personal computers.
- MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, computer exercise, system development workshop. The main themes are: (1) personal computer introduction, (2) wordprocessing, (3) spreadsheet, (4) BASIC programming, (5) database, (6) system design, (7) test planning, (8) OSI and LAN outline, (9) system development workshop, (10) special lecture, (11) case study, (12) C programming (13) computer technology.
- QUALIFICATION OF APPLICANT** (1) university graduate or equivalent (2) have a half year to two years programming experience which includes programming in software packages, such as database, spread sheet, and so forth (3) under 31 years of age
- TRAINING INSTITUTIONS** Okinawa International Centre (OIC), JICA

**INFORMATION PROCESSING PERSONNEL
(PERSONAL COMPUTER NETWORK SYSTEM DESIGNER (A))**
Apr. 13, '95 - Aug. 18, '95, 10 participants

情報処理要員養成(パソコンネットワークシステム設計者(A)) J-95-00391

- 1. PURPOSE** This course is designed to train personnel who work with personal computers and will implement personal computer network system as a LAN (Local Area Network). Through lectures, workshop and observation tours, this course introduces function and designing method of personal computer network systems and LAN systems.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, discussions, hands-on exercise, workshops and observation tours. The main themes are; (1) personal computer introduction (2) spreadsheet (3) C programming (4) database (5) PC system design (6) test planning (7) network design outline (8) PC network system design (9) PC networking usage (10) UNIX fundamentals (11) PC networking usage (12) system development workshop (13) case study (14) CASE introduction (15) advanced computer technology
- 3. QUALIFICATION OF APPLICANT** (1) person with one to three years experience in system development and maintenance (2) have more than three years' experience in programming in any one of the programming languages such as C, BASIC and so forth (3) university graduate or equivalent (4) under 36 years of age
- 4. TRAINING INSTITUTIONS** Okinawa International Centre (OIC), JICA

**INFORMATION PROCESSING PERSONNEL
(PERSONAL COMPUTER NETWORK SYSTEM DESIGNER (B))**
Nov. 16, '95 - Mar. 25, '96, 10 participants

情報処理要員養成(パソコンネットワークシステム設計者(B)) J-95-00510

- 1. PURPOSE** This course is designed to train personnel who work with personal computers and will implement personal computer network system as a LAN (Local Area Network). Through lectures, workshop and observation tours, this course introduces function and designing method of personal computer network systems and LAN systems.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, discussions, hands-on exercise, workshops and observation tours. The main themes are; (1) personal computer introduction (2) wordprocessing (3) spreadsheet (4) C programming (5) database (6) PC system design (7) test planning (8) data communication network design (9) PC network system design (10) PC networking usage (11) UNIX fundamentals (12) system development workshop (13) special lecture (14) case study (15) CASE introduction (16) advanced computer technology
- 3. QUALIFICATION OF APPLICANT** (1) person with one to three years experience in system development and maintenance (2) have more than 3 years' experience in programming in any one of programming language such as C, BASIC and so forth (3) university graduate or equivalent (4) under 36 years of age
- 4. TRAINING INSTITUTIONS** Okinawa International Centre (OIC), JICA

**INFORMATION PROCESSING PERSONNEL
(INSTRUCTOR (PERSONAL COMPUTER BASED))**
Oct. 5, '95 - Mar. 22, '96, 10 participants

情報処理要員養成(パソコン専任インストラクター) J-95-00502

- 1. PURPOSE** This course is designed to train personnel who are presently or will be engaged in programmer training using personal computers. Through the lectures, workshop, observation tours and training as an instructor, this course introduces both the technical skills such as programming, system design and development under personal computer environment, and instruction skills including educational material development.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, discussions, hands-on exercise, workshops and observation tours. The main themes are; (1) introduction to personal computer (2) OS (Operating System) introduction (3) programme structure design (4) module design (5) test planning (6) database (7) C programming (8) UNIX fundamentals (9) network design outline (10) PC network system design (11) PC networking usage (12) system development outline (13) system development workshop (14) instructor training I ~ III (15) case study (16) CASE introduction (17) advanced computer technology
- 3. QUALIFICATION OF APPLICANT** (1) (a) person with one to three years experience in system development and maintenance (b) person with more than three years' experience in programming in any one of programming languages as C, BASIC, and so forth. (2) person who will be an instructor for training personal computer programmers (3) university graduate or equivalent (4) under 36 years of age
- 4. TRAINING INSTITUTIONS** Okinawa International Centre (OIC), JICA

**INFORMATION PROCESSING PERSONNEL
(INSTRUCTOR (MAINFRAME BASED))**
Apr. 20, '95 - Oct. 1, '95, 12 participants

情報処理要員養成(メインフレーム専任インストラクター) J-95-00299

- 1. PURPOSE** This course is designed to train personnel who are presently or will be engaged in programmer training using mainframe. Through the lectures, workshop, observation tours and training as an instructor, this course introduces both the technical skills such as programming, system design and development under online database environment using mainframe computers, and instruction skills such as design, development and presentation of the training courses.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, discussions, hands-on exercise and workshops. The main themes are; (1) database programming (2) online programming (3) system development workshop (4) instructor training
- 3. QUALIFICATION OF APPLICANT** (1) university graduate with more than one to three years experience in system development and maintenance (2) have more than three years experience in programming in any one of programming languages; such as COBOL, FORTRAN, PL/I, etc., and being able to make a programme in COBOL (3) person who will be an instructor for programmers training (4) under 36 years of age
- 4. TRAINING INSTITUTIONS** Okinawa International Centre (OIC), JICA

**INFORMATION PROCESSING PERSONNEL
(SENIOR SYSTEM ANALYST/DESIGNER (A))**

May 7, '95 - Aug. 17, '95, 11 participants

情報処理要員養成(上級システム・アナリスト(A)) J-95-00306

- 1. PURPOSE** This course is designed to train personnel who are presently or will be system analysts and designers. Through the lectures, group exercises and observation tours, this course provides the knowledge and skills necessary for analyzing, designing, developing and evaluating an online database system, and way of project management.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, computer exercise, hands-on exercise and workshops. The main themes are: (1) project management; (2) system analysis, (3) application program design, (4) program structure design, (5) test planning, (6) data base design, (7) data communication network design, (8) reliable system design, (9) system estimation/evaluation, (10) system performance design simulation, (11) project management simulation, (12) system audit, (13) special lecture, (14) case study, (15) CASE introduction, (16) advanced computer technology.
- 3. QUALIFICATION OF APPLICANT** (1) university graduate with more than three to seven years experience in system development and programming or, have the equivalent background (2) have more than three years experience in programming in any one of programming languages: such as COBOL, FORTRAN, PL/I, etc. (3) under 36 years of age
- 4. TRAINING INSTITUTIONS** Okinawa International Centre (OIC), JICA

**INFORMATION PROCESSING PERSONNEL
(SENIOR SYSTEM ANALYST/DESIGNER (B))**

Nov. 5, '95 - Feb. 25, '96, 12 participants

情報処理要員養成(上級システム・アナリスト(B)) J-95-00307

- 1. PURPOSE** This course is designed to train personnel who are presently or will be system analysts and designers. Through the lectures, group exercises and observation tours, this course provides the knowledge and skills necessary for analyzing, designing, developing and evaluating an online database system, and way of project management.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, computer exercise, system development and workshops. The main themes are: (1) project management, (2) system analysis, (3) application program design, (4) program structure design, (5) test planning, (6) database design, (7) data communication network (8) reliable system design, (9) system estimation/evaluation, (10) system performance design simulation, (11) project management simulation, (12) system audit, (13) special lecture, (14) case study, (15) CASE introduction, (16) advanced computer technology.
- 3. QUALIFICATION OF APPLICANT** (1) university graduates or the equivalent (2) have 3 to 7 year's experience in system development and programming experience in at least one of the high-level programming languages such as COBOL, FORTRAN, PL/I, and so forth. (3) person who will be in charge of system analysis, system design or system evaluation (4) under 36 years of age
- 4. TRAINING INSTITUTIONS** Okinawa International Centre (OIC), JICA

**INFORMATION PROCESSING PERSONNEL
(ONLINE DATABASE SYSTEM DESIGNER (MAINFRAME BASED (A)))**

Apr. 13, '95 - Sep. 24, '95, 14 participants

情報処理要員養成(オンラインデータベースシステム設計者(A)) J-95-00309

- 1. PURPOSE** This course is designed to train personnel who will be in charge of online database system development under mainframe computer environment. Through lectures, workshop and observation tours, this course provides the knowledge and skills necessary for the designing and development of online database system applying relational type database.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, discussions, hands-on exercise, workshops and observation tours. The main themes are: (1) module design (2) programme structure design (3) online database system introduction (4) database programming (5) TSS (time sharing system) usage (6) JCL (job control language) usage (7) database design (8) online programming (9) test planning (10) online application system design (11) online system definition (12) database creation (13) file system design (14) system estimation/evaluation (15) reliable system design (16) data communication network design (17) system configuration design workshop (18) project management (19) database recovery design (20) system development workshop (21) special lecture (22) case study (23) introduction to personal computer (24) CASE (computer aided software engineering) introduction (25) UNIX fundamentals (26) advanced computer technology
- 3. QUALIFICATION OF APPLICANT** (1) (a) personnel who have one to three years' experience in system development and maintenance, and have more than three years' programming experience in at least one of the programming languages such as COBOL, FORTRAN AND PL/I (b) able to make a programme in COBOL (c) experienced in system design in batch processing system (2) university graduate or equivalent (3) under 35 years of age
- 4. TRAINING INSTITUTIONS** Okinawa International Centre (OIC), JICA

**INFORMATION PROCESSING PERSONNEL
(ONLINE DATABASE SYSTEM DESIGNER (MAINFRAME BASED (B)))**

Sep. 21, '95 - Mar. 11, '96, 14 participants

情報処理要員養成(オンラインデータベースシステム設計者(B)) J-95-00472

- 1. PURPOSE** This course is designed to train personnel who will be in charge of online database system development under mainframe computer environment. Through lectures, workshop and observation tours, this course provides the knowledge and skills necessary for designing and development of online database system applying relational type database.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, discussions, hands-on exercise, workshops and observation tours. The main themes are: (1) module design (2) programme structure design (3) online database system introduction (4) database programming (5) TSS (time sharing system) usage (6) JCL (job control language) usage (7) database design (8) online programming (9) test planning (10) online application system design (11) online system definition (12) database creation (13) file system design (14) system estimation/evaluation (15) reliable system design (16) data communication network design (17) system configuration design workshop (18) project management (19) database recovery design (20) system development workshop (21) special lecture (22) case study (23) introduction to personal computer (24) CASE (computer aided software engineering) introduction (25) UNIX fundamental (26) advanced computer technology
- 3. QUALIFICATION OF APPLICANT** (1) (a) personnel who have one to three years' experience in system development and maintenance, and have more than three years' programming experience in at least one of the programming languages such as COBOL, FORTRAN and PL/I (b) able to make a programme in COBOL (c) experienced in system design in batch processing system (2) university graduate or equivalent (3) under 35 years of age
- 4. TRAINING INSTITUTIONS** Okinawa International Centre (OIC), JICA

**INFORMATION PROCESSING PERSONNEL
(UNIX DATABASE SYSTEM DESIGNER (A))**

June 1, '95 - Oct. 20, '95, 15 participants

情報処理要員養成(UNIXデータベース・システム設計者(A)) J-95-00522

- 1. PURPOSE** This course is designed to train personnel who are presently, or will be in charge of system development using database system under the UNIX environment. Through lectures, workshop and observation tours, this course provides the knowledge and skills necessary for design and development of online database system under the UNIX environment.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, discussions, hands-on exercise, workshops and observation tours. The main themes are: (1) programme structure design (2) module design (3) test planning (4) UNIX fundamentals (5) UNIX programming utilities (6) C programming (7) UNIX system administration (8) C language advanced programming (9) UNIX database system usage (10) UNIX database programming (11) UNIX database design (12) UNIX database definition (13) UNIX database management (14) data communication network design (15) UNIX networking usage (16) project management (17) system development workshop
- 3. QUALIFICATION OF APPLICANT** (1) university graduate or equivalent (2) have one to three years' experience in system development and maintenance, and have more than three year's programming experience in at least one of programming languages such as BASIC (3) having a plan to be a personnel who will develop a system under UNIX environment (4) under 36 years of age
- 4. TRAINING INSTITUTIONS** Okinawa International Centre (OIC), JICA

**INFORMATION PROCESSING PERSONNEL
(UNIX DATABASE SYSTEM DESIGNER (B))**

Nov. 5, '95 - Mar. 31, '96, 15 participants

情報処理要員養成(UNIXデータベース・システム設計者(B)) J-95-00509

- 1. PURPOSE** This course is designed to train personnel who are presently, or will be in charge of system development using database system under the UNIX environment. Through lectures, workshop and observation tours, this course provides the knowledge and skills necessary for design and development of online database system under the UNIX environment.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, discussions, hands-on exercise, workshops and observation tours. The main themes are: (1) programme structure design (2) module design (3) test planning (4) UNIX fundamentals (5) UNIX programming utilities (6) C programming (7) UNIX system administration (8) C language advanced programming (9) UNIX database system usage (10) UNIX database programming (11) UNIX database design (12) UNIX database definition (13) UNIX database management (14) data communication network design (15) UNIX networking usage (16) project management (17) system development workshop
- 3. QUALIFICATION OF APPLICANT** (1) university graduate or equivalent (2) have one to three years' experience in system development and maintenance, and have more than three year's programming experience in at least one of programming languages such as BASIC (3) having a plan to be a personnel who will develop a system under UNIX environment (4) under 36 years of age
- 4. TRAINING INSTITUTIONS** Okinawa International Centre (OIC), JICA

**INFORMATION PROCESSING PERSONNEL
(DP DIVISION MANAGER) (MAINFRAME BASED)**

Aug. 24, '95 - Oct. 22, '95, 10 participants

情報処理要員養成(情報処理部門管理者) J-95-00300

- 1. PURPOSE** This course is designed to train personnel who are presently managers under one year experience in the information processing division or who are appointed to the manager of the information processing division. Through lectures, group exercises and observation tours, this course provides the skills necessary for information processing system planning and its operation, and management of information processing division.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures, discussions, hands-on exercise, workshops and observation tours. The main themes are; (1) system analysis (2) test planning (3) project management (4) case study (5) project management simulation (6) DP division management (7) system audit (8) DSS (decision support system) (9) word processing.
- 3. QUALIFICATION OF APPLICANT** (1) person with over three years experience in information processing system development and/or maintenance (2) presently a manager and have less than one year experience of data processing division management (2)' personnel who are appointed to the manager of information processing division (3) university graduate or equivalent (4) about 34 - 46 years of age
- 4. TRAINING INSTITUTIONS** Okinawa International Centre (OIC), JICA

**ELECTRONICS ENGINEERING
(MICROCOMPUTER)**

Nov. 9, '95 - Feb. 14, '96, 10 participants

エレクトロニクス技術

J-95-00431

- 1. PURPOSE** This course is designed to provide technical knowledge and practical experience in digital logic, microcomputer hardware and software design.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on practical experience by participants. It mainly covers: (1) Z80 assembly languages (2) digital logic (3) microcomputer (4) PLD design (5) C language (6) LAN design.
- 3. QUALIFICATION OF APPLICANT** (1) able to operate DOS (Disc Operating System) and Text Editor of personal computers (2) design or development engineer who have experienced more than three years of developing and designing software or hardware for personal computer or microprocessor (3) have experience in developing programs by C-language or assembly language (4) have experience in designing and developing digital circuits or print circuited board (5) under 30 years of age
- 4. TRAINING INSTITUTIONS** (1) Hokkaido Branch Office, JICA (2) Sapporo Electronics Center

OFFICE AUTOMATION TECHNOLOGY

Aug. 7, '95 - Oct. 29, '95, 9 participants

OA化技術

J-95-00485

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

SEWAGE WORKS ENGINEERING II

Aug. 22, '95 - Nov. 22, '95, 13 participants

下水道技術II

J-95-00167

- PURPOSE** The purpose of the course is to provide participants with a basic knowledge of sewage collection, urban drainage systems, sewage treatment and disposal, and sludge handling, as well as to furnish them so that the participants would be able to play their greater role for further progress and advancement of sewage works in their respective countries.
- MAIN FEATURES OF CURRICULUM** This course covers the following themes: (1) basic theory of sewerage and sewage purification (2) process and methods for planning and designing sewers, pumping stations, and sewage and sludge treatment facilities (3) rough master plan for a sewage systems (4) pretreatment of industrial wastewater (5) significance and methods of water quality analysis (6) advanced sewage and sludge treatment technology
- QUALIFICATION OF APPLICANT** (1) university graduate or equivalent and has more than three years of practical experience (2) senior technical officer in charge of sewage works in central or provincial government, or in local bodies (3) under 40 years of age
- TRAINING INSTITUTIONS** (1) Tokyo International Center (TIC), JICA (2) Sewerage Planning Division, Sewerage and Sewage Purification Department, City Bureau, Ministry of Construction (3) Japan Sewage Works Agency
- REMARKS** Country Reports will be highly utilized both for the selection of participants and for the country report presentation.

WATER SUPPLY ENGINEERING II

May 8, '95 - July 28, '95, 12 participants

上水道施設II

J-95-00100

- PURPOSE** The purpose of this course is to provide the participants with an opportunity to broaden theoretical and practical knowledge of water supply systems with surface water resource and sanitary engineering systems including its planning, designing, operation and maintenance through lectures, laboratory practice and observations.
- MAIN FEATURES OF CURRICULUM** This course is designed to cover the following themes: (1) water supply planning (2) waterworks management (3) water purification system and water quality (4) pipeline design and its maintenance
- QUALIFICATION OF APPLICANT** (1) presently engaged in the field of water supply with surface water resource in the relevant authority and have more than three years of occupational experience in the field (2) university graduate or equivalent (3) not less than 26 and not more than 45 years of age
- TRAINING INSTITUTIONS** (1) Tokyo International Center (TIC), JICA (2) Japan Water Works Association (JWWA)

SOLID WASTE MANAGEMENT AND NIGHT SOIL TREATMENT II

May 23, '95 - July 28, '95, 10 participants

廃棄物処理II

J-95-00111

- PURPOSE** The main purpose of the course is to provide university graduates or their equivalent with knowledge and techniques required for solid waste management and night soil treatment (excluding sewerage system), particularly those for domestic and industrial solid waste management, through lectures, discussions, laboratory practice and field studies. The lectures are intended to provide the participants not only with knowledge and techniques but also principles and approaches to problem solution. The course is also intended to introduce recent aspects of solid waste management in Japan and its international technical cooperation activities in this field.
- MAIN FEATURES OF CURRICULUM** The following major subjects will be covered in this course, mainly by means of lectures: (1) problem identification and national/master plan elaboration (2) solid waste management (a) collection and transportation (b) treatment and disposal (incineration, sanitary landfills) (3) industrial waste management (especially hazardous waste) (4) night soil treatment (5) institutional development for solid waste management service (6) solid waste management/night soil treatment in developing countries
- QUALIFICATION OF APPLICANT** (1) technical official presently in charge of solid waste management (domestic and industrial solid waste management and night soil treatment excluding sewerage system) in central or provincial governments or in local bodies, with three or more years of experience in this field (2) under 50 years of age (3) university graduate or equivalent
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Environmental Health Bureau, Ministry of Health and Welfare (3) Japan Environmental Sanitation Centre

WASTE MANAGEMENT PRACTICE

Jan. 29, '96 - May 18, '96, 9 participants

廃棄物処理実習

J-95-00487

- 1. PURPOSE** The purpose of this course is to upgrade the administrative and managerial skills of personnel who are currently engaged in solid waste management, in order to deal with environmental problems due to the rapid progress of urbanization and industrialization in developing countries.
- 2. MAIN FEATURES OF CURRICULUM** The training programme consists of lectures, practice and study tours on solid waste management. The emphasis is put on providing participants with practical and applicable skills and knowledge as well as Japanese experience to help them to formulate their Action Plans, which are the most appropriate for the current status of their respective countries. The subjects covered in the course are: (1) basic theory of local administration (2) household refuse treatment (3) strategies for public awareness building on solid waste management (4) night soil treatment (5) administrative framework of industrial solid waste management (6) industrial waste processing (7) solid waste management in local governmental enterprise (8) hazardous wastes management (9) landfilling of solid wastes (10) ocean dumping of wastes (11) medical waste management (12) study tours
- 3. QUALIFICATION OF APPLICANT** (1) technical administrator who has three years or more experience in solid waste management and/or equivalent technical knowledge (2) university graduate or equivalent (3) not more than 40 years of age
- 4. TRAINING INSTITUTIONS** (1) Kyushu International Centre (KIC), JICA (2) Kitakyushu International Techno-cooperative Association
- 5. REMARKS** (1) A compulsory 25 hour Japanese language course will be conducted prior to the technical training.

ADMINISTRATION SYSTEM FOR MOTOR VEHICLE

Jan. 18, '96 - Feb. 28, '96, 6 participants

自動車行政制度

J-95-00323

- 1. PURPOSE** The purpose of the course is to provide participants with both comprehensive and practical knowledge of administrative systems for motor vehicle, and thus to contribute to creating the most suitable system for motor vehicle in their respective countries.
- 2. MAIN FEATURES OF CURRICULUM** This course mainly consists of lectures and field visits. The following are the major subjects to be covered in the course. (1) administrative systems and related laws and regulations in Japan (a) safety and pollution control regulations (b) maintenance, repair and inspection systems (c) registration system (d) road transport business regulations (e) insurance system (f) driver's licence system, etc. (2) motor vehicle safety and pollution control engineering (3) motor vehicle standards and production activities (4) business and services for traffic safety.
- 3. QUALIFICATION OF APPLICANT** (1) university graduate or equivalent (2) be engaged in the field of administration, management and/or operation on motor vehicle engineering for safety and pollution control (for example, establishment of periodic inspection system or policy making), in the governmental or public organizations, *it is undesirable to be motor vehicle engineers who are in charge of vehicle manufacture and maintenance (3) under 50 years of age
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Road Transport Bureau, Ministry of Transport (3) Automobile Inspection & Registration Association (AIRA)

MODERNIZATION OF CARGO TRANSPORT (PHYSICAL DISTRIBUTION)

Apr. 17, '95 - June 22, '95, 8 participants

物流近代化

J-95-00388

- 1. PURPOSE** This course aims at providing officials who are currently engaged in the field of physical distribution (cargo transport) at governmental or public organizations with opportunities to study plans, techniques, and information about modernization of physical distribution. The course shall be focusing on land transport, especially truck transport. The curriculum comprehends packaging, storing, handling, transport and information management.
- 2. MAIN FEATURES OF CURRICULUM** In this course, the emphasis is put on lectures and observation tours. The main themes are: (1) administration of physical distribution (2) planning and coordination for physical distribution (3) modernization for physical distribution (4) strategy for physical distribution
- 3. QUALIFICATION OF APPLICANT** (1) currently engaged in the field of physical distribution (cargo transport, especially land transport) at governmental or public organizations, with three years or more of experience in this field (2) university graduate or equivalent (3) not engaged in the field of road construction and management, traffic survey and control and passenger transport
- 4. TRAINING INSTITUTIONS** (1) Nagoya International Training Centre (NITC), JICA (2) Transport Policy Bureau, Ministry of Transport (3) Chubu District Transport Bureau, Ministry of Transport (4) Industrial Research Institute, Aichi Prefectural Government (5) private enterprises
- 5. REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for two weeks (50 hours).

SEMINAR ON HIGHWAY CONSTRUCTION II

Sep. 14, '95 - Nov. 5, '95, 15 participants

ハイウェイセミナーII

J-95-00103

- 1. PURPOSE** The course is designed to improve the knowledge of personnel who are currently engaged in highway construction and maintenance through the introduction of road construction technology developed in Japan.
- 2. MAIN FEATURES OF CURRICULUM** The most important part of this seminar is Country Report presentation and discussion for comparative study. Another major part is introduction of Japanese systems, situations and cases as follows. (1) present situation of roads and road transportation, which includes traffic safety, disaster prevention, new transportation systems, etc. (2) outline of special large-scale projects in which the most advanced techniques in this field are concentrated (3) road environmental problems and measures for protecting the living environment along highways (4) technical standards for designs of highways, bridges, and pavements
- 3. QUALIFICATION OF APPLICANT** (1) university graduate or equivalent (2) engineer with more than two years of experience in the field of highway construction and maintenance (3) under 35 years of age
- 4. TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Road Bureau, Ministry of Construction

PROJECT PLANNING FOR URBAN TRANSPORT INFRASTRUCTURE

Sep. 28, '95 - Nov. 25, '95, 13 participants

都市交通プロジェクト計画

J-95-00480

- PURPOSE** The purpose of this course is to provide participants with a knowledge of the principles and methods of transport terminal planning, urban design, and transport information systems in general through lectures, discussions and field studies covering planning of urban facilities, urban management systems, transportation facilities and systems of urban transport.
- MAIN FEATURES OF CURRICULUM** In this course, the following major subjects will be covered through lectures, discussions, practices and observation trips: (1) system and history of urban transportation in Japan (2) planning, project and management of terminals (3) comprehensive management of terminals (4) street design
- QUALIFICATION OF APPLICANT** (1) university graduate or equivalent with occupational experience of more than three years (2) under 40 years of age (3) presently engaged in urban planning and urban management
- TRAINING INSTITUTIONS** (1) Tokyo International Center (TIC), JICA (2) Street Division, City Bureau, Ministry of Construction
- REMARKS** Country Reports will be highly utilized both for the selection of participants and for the country report presentation.

RAILWAY MANAGEMENT PLANNING

May 30, '95 - July 2, '95, 9 participants

鉄道経営計画

J-95-00462

- PURPOSE** The purpose of this course is to introduce Japanese railway management to the participants so as to contribute to railway management in developing countries by establishing sound methods of railway operations and railway project management.
- MAIN FEATURES OF CURRICULUM** This course consists of observation of various types of railway companies in Japan and lectures on the following topics: (1) present situation of railway enterprises in Japan (2) restructuring of the former Japanese National Railway (3) different operation forms (private, public and joint-ventures between private and public sectors) (4) different types of railway transportation (monorail, new transit system, etc.) (5) methods of multiple management (6) systematic and efficient management (maintenance program, financial management, personnel management, etc.)
- QUALIFICATION OF APPLICANT** (1) at the chief or director level, engaged in a planning or administrative division in the field of railway management (2) have more than five years of practical experience after graduation from university (3) university graduate or equivalent (4) under 40 years of age
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Railway Bureau, Ministry of Transport (3) Japan Railway (JR) Group

SEAFARER'S MANAGEMENT SYSTEM

Nov. 7, '95 - Dec. 15, '95, 10 participants

船員管理システム

J-95-00499

- PURPOSE** The purpose of this course is to provide knowledge and technique concerned with seafarer training and labour control systems based on seafarer administration, using the seafarer management system in Japan as an example, and to contribute to creating suitable seafarer management systems for participating countries.
- MAIN FEATURES OF CURRICULUM** This course is designed so as to let participants be versed in the following subjects: (1) labor management of seafarers (a) standards of labor management (b) actual labor control in oceangoing vessels (c) seafarer salaries and unions (2) administration of and certification system for seafarers (a) administration system (b) certification system (c) national examination system for ship's officers (3) education system for seafarers (4) circumstances of Japanese shipping: mixed-manning system
- QUALIFICATION OF APPLICANT** (1) person with occupational experience of more than three years either as a) human development manager or personnel in charge of organizing training curriculum for seafarers in shipping corporations or training institutions for seafarers, or b) governmental or other public official in managerial or leading position in administrative organizations for shipping corporation or training institutions for seafarers (2) university graduate or equivalent (3) between 25 and 45 years of age
- TRAINING INSTITUTIONS** (1) Tokyo International Centre (TIC), JICA (2) Seafarers Dept., Maritime Technology and Safety Bureau, Ministry of Transport (3) Maritime International Cooperation Center of Japan (MICC)

MARINE TECHNIQUE (NAVIGATOR)

June 26, '95 - Dec. 8, '95, 5 participants

航海技術(航海士)

J-95-00379

- PURPOSE** The aim of the course is to hand over to the participants marine technique and experience which Japan has long accumulated, and by doing so to make them conscious of the status quo of a higher marine technology and management. Furthermore, the participants, through their own training, are to acquire the knowledge and technique concerning seamen's training methods, and after they return to their respective countries, they are expected to spread their fruits so gained among their successors.
- MAIN FEATURES OF CURRICULUM** This course consists of common subjects for all participants, seminar at laboratory (optional subjects), on-board practice and observation tours. Common Subjects (10 weeks) (1) terrestrial and celestial navigation (2) nautical instruments (3) ship maintenance (4) ship maneuvering and marine accident (5) ship cargo handling (6) safety management (7) watch keeping (8) naval architecture (9) marine meteorology (10) navigational regulations (11) maritime law (12) ship engineering (13) computer mathematics (14) computer and information science (15) computer practice (16) fundamentals of physical science (17) fundamentals of chemical science (18) fundamentals of maritime management (19) bridge simulator training (20) radar simulator training (21) practice on board. Seminar at laboratory (optional subjects) (4 weeks) (1) simulator training (2) nautical instruments (3) weather and radar navigation (4) navigational regulations and maritime law (5) loading calculation
- QUALIFICATION OF APPLICANT** (1) in possession of the certificate of Third of higher Grade Maritime Officer (Officer) with more than one year of seetime, or those who have the equivalent knowledge and experience engaged in official affairs or education for maritime with more than one year (2) male, between 25 and 35 years of age (3) presumed to contribute to fostering mercantile officials or instructors who will play a leading role in this field in their respective countries
- TRAINING INSTITUTIONS** (1) Hyogo International Center (HIC), JICA (2) Marine Technical College
- REMARKS** A compulsory intensive Japanese language course will be conducted prior to the technical training for three weeks (75 hours).