

ICHARM Water-Related Disaster Management Course of Disaster Management Policy Program

Synopsys List in the order of course duration

Year	Country	Author	Title
2013-2014	Bangladesh	ALAM Muhammad Jahangir	
	Bangladesh	ISLAM Md. Khairul	IMPORTANCE OF DISTRIBUTED HYDROLOGICAL MODEL FOR PRESENT AND FUTURE FLOOD RISK MANAGEMENT IN BANGLADESH
	China	HAO Ying	IMPROVEMENT OF QUANTITATIVE PRECIPITATION FORECAST IN HUIHE BASIN BASED ON DOWNSCALING BY WRF MODEL
	El Salvador	ALFARO LOPEZ Ingrid Altagracia	Debris Flow Characteristic along the Main Channel with Structures in the Arenal de Mejicanos, San Salvador, El Salvador.
	Kenya	ONJIRA Pauline Ingado	APPLICATION OF REMOTE SENSING AND RAINFALL-RUNOFF-INUNDATION MODEL TO NEAR REALTIME FLOOD INUNDATION MAPPING IN KENYA
	Myanmar	Zaw Myo Khaing	FLOOD INUNDATION ANALYSIS AND RISK ASSESSMENT OF SITTOUNG RIVER BASIN
	Sri Lanka	GUNASENA Muthubanda Appuhamige Sanath Susila	EFFECTIVE DAM OPERATION METHOD BASED ON INFLOW FORECASTING FOR SENANAYAKA SAMUDRA RESERVOIR, SRI LANKA
	Sri Lanka	MOUFAR Mohamed Mashood Mohamed	FLOOD INUNDATION ANALYSIS FOR METRO COLOMBO AREA – SRI LANKA
	Pakistan	AFZAL Muhammad	ESTIMATION OF SNOWMELT CONTRIBUTION TO DISCHARGE IN UPPER INDUS BASIN IN PAKISTAN USING DEGREE DAY METHOD
	Philippines	BASILAN Emar Guevara	EVALUATION OF FLOOD-PRONE AREAS IN BICOL RIVER BASIN, PHILIPPINES: COMPARISON OF FLOOD HAZARD MAPPING USING HYDRO-GEOMORPHIC AND HYDROLOGIC MODELLING METHODS
	Philippines	FERRER Santy Bumali	FLOOD RISK ASSESSMENT UNDER THE CLIMATE CHANGE IN THE CASE OF PAMPANGA RIVER BASIN, PHILIPPINES
Venezuela	CABRITA Raul Alfonso	NUMERICAL ANALYSIS OF THE BED MORPHOLOGY IN THE REACH BETWEEN CABRUTA AND CAICARA IN ORINOCO RIVER	
2014-2015	Bangladesh	BHUAYAN Md Abu Baker Siddique	PREDICTION OF MORPHOLOGICAL CHANGES IN JAMUNA RIVER NEAR BAHADURABAD AREA
	Colombia	GONZALEZ Rojas Jorge Andres	HYDROLOGICAL FORECASTING IN COLOMBIA USING NUMERICAL WEATHER PREDICTION FROM WRF (ARW), SALDAÑA RIVER BASIN
	Fiji	NAWAI Josefa	FLOOD AND DROUGHT RISK ASSESSMENT ON EFFECTIVENESS OF PROPOSED INFRASTRUCTURES IN THE BA RIVER BASIN, FIJI
	India	SHARMA Sanjay Kumar	SENSITIVITY FOR HYDROLOGIC SIMULATION FROM TOPOGRAPHIC DATA IN KULSI RIVER BASIN, INDIA
	India	SYED Mohd Faiz	Comparative Analysis of Flood Forecasting Techniques Using RRI, HEC-RAS & Gauge-to-Gauge Correlation Method for Delhi, INDIA
	Kenya	BARASA Betty Namulunda	ASSESSING IMPACTS OF LAND USE CHANGES ON FLOOD OCCURENCE IN SOSIANI RIVER BASIN IN KENYA
	Kenya	ODHIAMBO Collins Otieno	FLOOD AND DROUGHT MANAGEMENT BY PROPOSED DAMS AND RETARDING BASIN: A CASE STUDY OF THE UPPER EWASO NGIRO NORTH BASIN, KENYA
	Kenya	OTIENO George Chilli	PREDICTION OF SEDIMENT TRANSPORT PROCESSES IN NZOIA RIVER USING RAINFALL-RUNOFF MODEL
	Pakistan	MUHAMMAD Irfan Virk	APPLICABILITY OF SATELLITE RAINFALL OBSERVATION FOR FLOOD FORECASTING IN A TRANS BOUNDARY BASIN, PAKISTAN
	Pakistan	SOHAIL Babar Cheema	IMPROVEMENT OF APPLICABILITY OF SNOW HYDROLOGICAL MODEL BY USING CORRECTION FACTOR IN THE GILGIT BASIN
	Myanmar	Naing Aye Aye	Flood Inundation Analysis by Using RRI Model For Chindwin River Basin, Myanmar
	Sri Lanka	NAVARATHINAM Kirushnarupan	Assessment of the Proposed Malwathoya Dam for Flood and Drought Mitigation in the Lower Malwathoya River Basin, Sri Lanka
	Sri Lanka	VALLIPURAM Thavakkumar	DEVELOPMENT OF COMPREHENSIVE RESERVOIR OPERATION FOR FLOOD WITH INCORPORATED INFLOW FROM CASCADED SMALL TANKS TO PAVATKULAM RESERVOIR, SRI LANKA
2015-2016	Bangladesh	AHMED Tanjir Saif	SEDIMENTATION AND ITS COUNTERMEASURE AT THE OFF-TAKE AREA OF NEW DHALESWARI RIVER
	Bangladesh	HOWLADER Md Mamun	STUDY ON PROACTIVE BREACH OF SUBMERSIBLE EMBANKMENT FOR ITS SUSTAINABLE MAINTENANCE IN HAOR ARREA
	Brazil	SAIA ALMEIDA LEITE Francisco	EVALUATION OF FLOOD CONTROL COUNTERMEASURES CONSIDERING CLIMATE CHANGE -CASE STUDY: ITAJAI RIVER BASIN, BRAZIL-
	Maldives	MOOSA Fathimath Shaushan	WATER SHORTAGE MANAGEMENT AND ADOPTATION TO CLIMATE CHANGE IN MALDIVES
	Myanmar	Myo Myat Thu	ANALYSIS OF FLOODS AND DROUGHTS IN THE BAGO RIVER BASIN, MYANMAR, UNDER CLIMATE CHANGE
	Nepal	SHARMA Gopal	Method for predicting sediment runoff processes and channel changes in West Rapti River, Nepal

	Pakistan	BILAL Rashid	TRANSBOUNDARY FLOOD FORECASTING THROUGH DOWNSCALING OF GLOBAL WEATHER FORECASTING AND RRI MODEL SIMULATION
	Pakistan	KHAN Irfan Ullah	INCORPORATION OF SNOW AND GLACIER MELT PROCESSES IN RRI MODEL FOR ESTIMATING PEAK RIVER DISCHARGES AND INUNDATION ANALYSIS IN NEELUM RIVER BASIN
	Philippines	JACELDONE Catherine Guevarra	SEDIMENT TRANSPORT PROCESSES IN MOUNTAIN AREA OF KINUGAWA RIVER
	Sri Lanka	BABARANDE GURUGE Thanura Lasantha	Integrated Water Resources Management for Eastern Dry Zone of Sri Lanka
	Sri Lanka	SINNAPPOO Kokularamanan	DEVELOPMENT OF A FLOOD FORECASTING AND DATA DISSEMINATION SYSTEM FOR KALU RIVER BASIN IN SRI LANKA
	Timor-Leste	DE ARAUJO Antonio	FLOOD RISK INDEX ANALYSIS FOR CUHA RIVER BASIN, TIMOR - LESTE
	Zimbabwe	RUKARWA Lorraine	DROUGHT AND FLOOD RISK ASSESSMENT ON MANYAME RIVER BASIN, ZIMBABWE UNDER CLIMATE CHANGE
2016-2017	Brazil	MIKOSZ Lucas	Sendai Framework Indicators for Disaster Risk Reduction in Brazil: Initial Conditions, Feasibility Analysis and Understanding the Risk
	Malawi	GAMA Samuel Joseph	FLOOD HAZARD AND RISK ASSESSMENT UNDER CLIMATE CHANGE IN THE LOWER SHIRE BASIN, MALAWI
	Mozambique	LEVI Danyvan Stelio Do Rosario	Development of an Effective Operation of Pequenos Libombos Dam in the Context of Climate Change in Mozambique
	Myanmar	Su Su Kyi	Investigating the Impact of Climate Change on Flooding in the Sittaung River Basin, Myanmar
	Pakistan	MUHAMMAD Gul	SIMULATING HYDROLOGICAL RESPONSE OF SNOW AND GLACIER MELT AND ESTIMATING FLOOD PEAK DISCHARGE IN SWAT RIVER BASIN, PAKISTAN
	Pakistan	JAMAL Habib	TRANS BOUNDARY FLOOD FORECASTING THROUGH DOWNSCALING OF GLOBAL WEATHER FORECAST AND HYDROLOGICAL MODEL SIMULATION
	Papua New Guinea	DAGWIN Dagwin Markl	METHOD OF FLOOD HAZARD MAPPING IN UNGAUGED MARKHAM RIVER BASIN IN PAPUA NEW GUINEA
	Timor-Leste	DOS REIS HANJAN CORBAFO Letigia	INVESTIGATION OF HYDROLOGICAL RESPONSE OF FLOOD CONTROL SCENARIOS AND ASSESSMENT OF THE EFFECTIVENESS IN COMORO RIVER BASIN DILI, TIMOR-LESTE
	Vietnam	NGUYEN Van Hoang	ANALYSIS OF EFFECTIVE RESERVOIR OPERATION FOR MITIGATING FLOOD DAMAGES IN A VUONG DAM BASIN, VIETNAM
	Vietnam	LE Thi Phuong Thanh	STUDY ABOUT COASTAL EROSION IN TIEN GIANG PROVINCE, VIETNAM WITH NUMERICAL SIMULATION
2017-2018	Bangladesh	HAQUE Md Nazmul	BED FORM AND SIDE BANK EROSION OF PADMA RIVER REACH
	Bangladesh	ISLAM Md Rabiul	INVESTIGATING THE IMPACT OF CLIMATE CHANGE ON FLOODING IN THE TEESTA RIVER BASIN, BANGLADESH
	Brazil	GALVANESE KUHLMANN Leandro	AN INTEGRATED FLOOD DAMAGE ASSESSMENT IN BRAZIL
	Fiji	MATAITOGA Mesake	REGIONAL DISASTER PROFILES IN THE SOUTH PACIFIC REVEALED BY THE SOUTH PACIFIC CONVERGENCE ZONE POSITION
	India	VENKATESAN Vasanthakumar	DEVELOPMENT OF SATELLITE RAINFALL BASED APPROACH FOR EFFECTIVE FLOOD DISASTER AND WATER RESOURCE MANAGEMENT IN TRANSBOUNDARY RIVERS -A CASE OF GANDAK RIVER BASIN
	Nepal	PANDIT Shambhu Raj	IMPACT OF SEDIMENT SUPPLY CONDITION ON MORPHOLOGICAL CHANGE ALONG LOWER WEST RAPTI RIVER, NEPAL
	Nepal	ADHIKARI Bishnu Hari	PREDICTION OF SEDIMENT RUN-OFF PROCESSES IN WEST RAPTI RIVER BASIN, NEPAL
	Pakistan	MUGHAL Saqib Jahangir	INTEGRATED WATER RESOURCES MANAGEMENT THROUGH EFFICIENT RESERVOIR OPERATION IN SWAT RIVER BASIN, PAKISTAN
	Pakistan	ASGHAR Malik Rizwan	REAL TIME FLOOD AND INUNDATION FORECAST IN TRANS-BOUNDARY RIVER BASIN USING MULTI-MODEL HIGH RESOLUTION PRECIPITATION FORECAST
	Philippines	GO OC Sheila Joy	ASSESSMENT OF FLOOD IMPACT ON LOCAL SOCIO-ECONOMIC DEVELOPMENT IN THE DAVAO RIVER FLOODPLAIN, PHILIPPINES
	Sri Lanka	MAHESWARAN Myuran	DEVELOPMENT OF EFFECTIVE WATER USAGE PLAN FOR DRY ZONE OF SRI LANKA: CASE STUDY IN MALWATHU OYA BASIN
	Sri Lanka	AYASINGHE Roshan Indika	DEVELOPMENT OF AN INTEGRATED RESEARCH METHOD FOR EFFECTIVE WATER RESOURCE MANAGEMENT IN A COMPLEX WATERSHED SYSTEM: THE CASE OF MAHAWELI RIVER BASIN
	Tanzania	KIRIWAJ John Mathias	EFFECTS OF INFRASTRUCTURE CONSTRUCTION IN FLOOD DISASTER PRONE AREAS CASE STUDY: CONSTRUCTION OF DUMILA-RUDEWA-KILOSA-MIKUMI ROAD
	Vietnam	DAO Thu Anh	RISK ASSESSMENT OF URBANIZATION PLAN IN MA RIVER BASIN, THANH HOA PROVINCE
2018-2019	Bangladesh	JAMAN A F M Tauhid	STUDY ON CHANNEL CHANGES AND BED DEFORMATION IN CONFLUENCE REGION OF GANGES AND JAMUNA RIVERS UNDER DIFFERENT INFLOW CONDITIONS
	India	Kale Ravindra Vitthal	DEVELOPMENT OF INTEGRATED HYDROLOGICAL MODELLING FRAMEWORK FOR FLOOD INUNDATION MAPPING IN BRAHMANI-BAITARANI RIVER BASIN, INDIA
	Liberia	DAVIS Cynthia Wantee	ANALYSIS OF CLIMATE CHANGE IMPACT USING BIAS-CORRECTED PRECIPITATION IN ST. PAUL RIVER BASIN, LIBERIA
	Nepal	ACHARYA Dhaka Ram	INFLUENCE OF SAND BAR BEHAVIOUR ON CHANNEL CHANGES ALONG KALIGANDAKI RIVER, NEPAL
	Pakistan	IMRAN Ali	ASSESSMENT OF THE CLIMATE CHANGE IMPACT ON THE FLOOD RISK CHANGE IN CHENAB RIVER BASIN

	Philippines	VALENCIA Christian Darwin	RRI MODEL-BASED FLOOD EVACUATION TIMELINE OF CITY AND MUNICIPALITY LGUs IN PAMPANGA RIVER BASIN, PHILIPPINES
	Sri Lanka	MOHAMED THAJUDEEN Mohamed Zuhail	DEVELOPMENT OF INTEGRATED WATER RESOURCES MANAGEMENT PLAN FOR EASTERN DRY ZONE IN SRI LANKA Case Study: Gal Oya River Basin
	Myanmar	Shwe Pyi Tan	DEVELOPMENT OF INTEGRATED WATER RESOURCES MANAGEMENT PLANS OF SITTAUNG RIVER BASIN UNDER CHANGING CLIMATE
2019-2020	Bangladesh	ISLAM Md Masbahul	A NUMERICAL STUDY ON BANK EROSION OF A BRAIDED CHANNEL: CASE STUDY OF THE "TANGAIL AND MANIKGANJ DISTRICTS ALONG THE BRAHMAPUTRA RIVER"
	Bangladesh	RAHMAN Md Shahinur	STUDY ON FLOW PATTERN AND ASSOCIATED BED DEFORMATION IN THE OFF-TAKE REGION OF GORAI RIVER, BANGLADESH
	Bhutan	PHUNTSHO Tashi	COMPREHENSIVE EVALUATION OF FLOOD MITIGATION MEASURES BASED ON CLIMATE CHANGE IMPACT ASSESSMENT IN THE WANGCHU BASIN
	Bhutan	DORJI Nima	ASSESSMENT OF WATER RESOURCES UNDER CHANGING CLIMATE FOR EFFECTIVE HYDROPOWER AND AGRICULTURE PRODUCTIONS IN PUNA TSANGCHHU BASIN, BHUTAN
	Brazil	SILVA ARAUJO Rafael	FLOOD IMPACT ASSESSMENT IN THE ITAPOCU RIVER BASIN, BRAZIL
	Brazil	MARTINS AMENO Herman Ziyang	HAZARDOUS AREA RESULTING FROM TAILINGS DAM FAILURE
2020-2021	Bangladesh	AHMED Farzana	STUDY ON THE MORPHOLOGICAL CHARACTERISTICS OF DAWKI-PIYAN RIVER SYSTEM IN BANGLADESH
	Bhutan	TSHEWANG Nedrup	ASSESSMENT OF INTEGRATED WATER RESOURCES MANAGEMENT UNDER CLIMATE CHANGE IN WANGCHU BASIN, BHUTAN
	Bhutan	ZANGPO Jamyang	IMPACT ASSESSMENT ON EXTREME FLOODS DUE TO CLIMATE AND SOCIAL CHANGES IN THE AMOCHU BASIN, BHUTAN
	Malaysia	Norain Binti Osman	FLOOD DAMAGE INSPECTION METHOD FOR PUBLIC BUILDINGS IN MALAYSIA
	Mauritius	KOWLESSER Akshay Prakash	A STUDY ON AN INTEGRATED WATER RESOURCES MANAGEMENT PLAN UNDER CLIMATE CHANGE FOR GRAND RIVER NORTH WEST RIVER BASIN, MAURITIUS
	Myanmar	Aye Mon Khaing	METHOD FOR PREDICTING THE SEDIMENT RUNOFF PROCESS DUE TO HEAVY RAINFALL IN THE YAZAGYO RESERVOIR BASIN, MYANMAR
	Tonga	AHO Tevita	IMPACT OF CLIMATE CHANGE, SEA-LEVEL RISE IN TONGATAPU, HA'APAI AND ITS EFFECT ON LIVELIHOOD
2021-2022	Bangladesh	ALAM Md Shariful	NUMERICAL STUDY TO PREDICT SEDIMENT RUNOFF PROCESS IN THE MATAMUHURI RIVER BASIN, BANGLADESH
	Bangladesh	HASAN Md Khairul	DEVELOPMENT OF AN INTEGRATED WATER RESOURCES MANAGEMENT PLAN FOR THE SANGU RIVER BASIN UNDER CLIMATE CHANGE
	Bhutan	NEOPANEY Megnath	ASSESSMENT OF CLIMATE CHANGE IMPACTS ON EXTREME FLOODS IN THE CHAMKHARCHU SUB-BASIN, BHUTAN
	Indonesia	HAFIZH Abdul	ASSESSMENT OF FLOOD RISK AND IMPACT BASED EARLY WARNING SYSTEM IN THE CIDURIAN RIVER BASIN, INDONESIA
	Malawi	NDAU Hanke Titus Lloyd	MODELING THE IMPACT OF LAND COVER CHANGE ON FLOOD RISK IN THE LOWER SHIRE RIVER BASIN, MALAWI
	Malaysia	Raja Noraini Binti RAJA YUSOF	CRITICAL RAINFALL CONDITIONS FOR LANDSLIDES OCCURENCES TO DEVELOP WARNING SYSTEM IN CAMERON HIGHLANDS, PAHANG, MALAYSIA
	Malaysia	Siti Adabiyah Binti SULAIMAN	PREDICTION OF SEDIMENT TRANSPORT PROCESSES IN THE UPPER KINTA RIVER BASIN, MALAYSIA
	Nepal	KHADKA Suresh	ANALYSIS OF WATERCOURSE CHANGE DURING ALLUVIAL FAN FORMATION AND COUNTERMEASURE FOR STABILIZATION OF CHANNEL FLOW IN KARNALI RIVER, NEPAL
	Philippines	ABELARDO Ailene	IMPROVEMENT OF FLOOD FORECASTING FOR STRENGTHENING FLOOD RESILIENCE IN THE AGNO RIVER BASIN
	Philippines	CABRAL Erwin Rafael	CLIMATE CHANGE AND URBANIZATION IMPACT ASSESSMENT ON INUNDATION CHARACTERISTICS OF LAGUNA DE BAY BASIN
	Sri Lanka	IBRA LEBBE Ziyaroun	CREATING AN EFFECTIVE FLOOD MANAGEMENT PLAN TO IMPROVE THE STANDARD OF LIVING WITHIN THE MUDUN ELA BASIN, SRI LANKA
	Sri Lanka	PARANAGAMA MANANAGE Aruna Uthpala Samarathunga	A STUDY ON CLIMATE CHANGE IMPACTS ON EXTREME RAINFALL AND FLOOD EVENTS IN THE KALU RIVER BASIN, SRI LANKA
	Sri Lanka	SANDRASEGARAM Nerojan	DEVELOPMENT OF INTEGRATED WATER RESOURCES MANAGEMENT FOR EASTERN DRY ZONE IN SRI LANKA UNDER CHANGING CLIMATE: THE CASE OF MUNDENI, MAGALAWADUWAN, AND ANDELLAOYA RIVER BASINS