



Bangladesh University of Professionals

Faculty of Arts and Social Sciences

Department of Disaster and Human Security Management

SEMESTER OUTLINE-2017

DHSM-2016

2nd Year, 3rd Semester

ID No:.....

Name:.....

Sec:.....

BANGLADESH UNIVERSITY OF PROFESSIONALS (BUP)

SEMESTER OUTLINE

PREFACE

- General:** This tentative Semester Outline is the overall pen picture of the academic curriculum blended with series of learning events from social activities and numerous enjoyable events for an effective learning to be fit in the competitive world. Its core theme is to provide a panoramic view of the course curriculum for the initial mental set up of the students and to give guidelines for teachers for innovative and research oriented learning. This comprehensive Semester Outline includes a column each for the Day/Date, Class Timing, Location (Classroom Number), Course Code, Topic/Event, Teacher/Faculty Member and Remarks/Discussion Points. The Semester Outline is also a basic guideline indicating the modes of conduct of the course curriculum. It accommodates all relevant information required for the whole semester including all central events (e.g. sports, games or cultural competitions, National Day(s) celebrations, seminars, cultural programs, etc.).
- Semester Starting and Finishing Date:** The semester starts on 4th January 2017 and finishes on 22nd June 2017.
- Timing and Conduct of Classes:** The academic week starts on Sunday and finishes on Thursday, making it a five-day working week. Each section shall have about two classes per day. So, there will be total ten classes per week for each section. Each class shall be of 90 minutes duration, of which 60 minutes shall be dedicated for lecture, and the rest 30 minutes shall be spent for discussions by the students. The mode and conduct of discussions shall be designed by the class-teacher as per the 'Remarks/Discussion' column given in the following pages. Apart from the planned classes, makeup classes and field studies will be conducted on Saturdays as per plan of the Department.
- Name of Courses with Code:** The names of courses with course code have been stated below:

Serial	Name of Course	Code
1.	Introduction to Natural Resources and Sustainable Development	DHSM-2101
2.	Basics of Climatology	DHSM-2103
3.	Principles of Emergency Management	DHSM-2105
4.	Built Environment & Urban Disaster	DHSM-2107
5.	Introduction to Hydrology & Water Resources Management	DHSM-2109

5. **Makeup Classes:** In the event of acute eventualities, make-up classes may be conducted on Saturdays as per plan of the Department.

6. **Assessment System:** The assessment system is as under:

Events	Weightage
Semester Final Exam	50%
Midterm Exam	20%
Class Tests (Total four-Best Three)	10%
Assignment /Case Studies	05%
Term Paper (Individual), including Presentation	(7+3)=10%
Class Attendance	05%
Total	100%

7. Conclusion: This semester Outline, with its all information and instructions, welcomes the students to be a proud member of BUP. It sets the tone and describes the general academic environment of the University for the 3rd Semester of the year 2017. In fact, it is a complete guideline for the students for the semester, so that there is no room for any confusion on anyone's part. It also gives a clear picture of what BUP wants to impart to the students as well as what is expected out of the students. Disciplinary aspects are also mentioned enabling the students to have a prior understanding of the culture and discipline of BUP. It is expected that students shall take all instructions and information by heart and follow the same with utmost sincerity. It is worth mentioning that curriculum of BUP is not only a bundle of strict routines and their observances, but also a place where students shall learn to be a good and knowledgeable citizen with excellent presentation skill. The semester is full of fun and frolics apart from the pure academic curriculum, which the students shall come across as the semester unfolds with passage of time. We hope, gradually, all students shall successfully complete the semester with praiseworthy results.

SEMESTER OUTLINE-2017
BSS (Hons) in Disaster and Human Security Management
3rd SEMESTER

Date Day	Time	Loc	Course Code	Events /Topics	Teachers/Faculty Members	Remarks/ Discussion Points
02 Jan Monday	OPENING CONVOCATION					
03 Jan Tuesday	FRESHER'S RECEPTION					
04 Jan Wednesday	1200-1330	904	DHSM 2107	Origin and Evolution of Cities	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Ancient Period 2. Classic Period 3. Medieval Period
	1400-1530	904	DHSM 2103	Introduction to Weather and Climate	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Defining Climate and Its Scenario 2. Differentiation between climate and weather 3. Special features of climate of Bangladesh
05 Jan Thursday	1400-1530	903	DHSM 2109	Introduction to Hydrology	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Definition of Hydrology 2. Hydrogeology 3. Hydrologic Cycle 4. Importance of Hydrology
06 Jan Friday	WEEKEND					
07 Jan Saturday						
08 Jan Sunday	0830-1000	903	DHSM 2101	Understanding the Earth's Natural Resources	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Energy Resources 2. Classification of Resources 3. Mineral Resources 4. Carbon Cycle 5. Water Cycle

Date Day	Time	Loc	Course Code	Events /Topics	Teachers/Faculty Members	Remarks/ Discussion Points
	1015-1145	903	DHSM 2107	Origin and Evolution of Cities	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Form and Character of Cities After Industrial Revolution 2. Utopian Thoughts
09 Jan Monday	0830-1000	904	DHSM 2103	Understanding The Elements of Climate	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Elements of Climate 2. Implication in our daily life 3. Different seasons of Bangladesh 4. Implication in seasons
	1015-1145	904	DHSM 2105	Introduction to Unit Outline and General Rules. Defining Hazards and Disasters	Lec Salit Chakma	<ol style="list-style-type: none"> 1. What is Hazard & Disaster 2. Types of disasters 3. Disaster cycle and planning
10 Jan Tuesday	FATEHA -I- YAJDAHAM					
11 Jan Wednesday	1200-1330	904	DHSM 2107	Spatial Pattern of Urban Growth	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Concentric Zone theory 2. Sector Theory 3. Multiple Nuclei Theory
	1400-1530	904	DHSM 2103	Controls of Climate	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Locational factors 2. Other Factors 3. Different aspects of climate

Date Day	Time	Loc	Course Code	Events /Topics	Teachers/Faculty Members	Remarks/ Discussion Points
12 Jan Thursday	1400-1530	903	DHSM 2109	Global Distribution of Water	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Water Balance 2. Energy Budget 3. Global energy and water balance 4. Importance of Water Balance and Energy Budget
13 Jan Friday	WEEKEND					
	PICNIC					
14 Jan Saturday	WEEKEND					
15 Jan Sunday	0830-1000	903	DHSM 2101	Understanding the Earth's Natural Resources	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Common Rocks- -Igneous Rocks -Sedimentary Rocks -Metamorphic Rocks
	1015-1145	903	DHSM 2107	Urban and Regional Planning	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Urban Planning 2. Regional Planning 3. Major Land Use Components of a Town 4. Basic Principles of Land Use Planning
16 Jan Monday	0830-1000	904	DHSM 2103	Composition of The Atmosphere	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Present composition 2. Structure of the atmosphere 3. Physical properties 4. Optical properties

Date Day	Time	Loc	Course Code	Events /Topics	Teachers/Faculty Members	Remarks/ Discussion Points
	1015-1145	904	DHSM 2105	Background to Preparedness and Response	Lec Salit Chakma	<ol style="list-style-type: none"> 1. What is preparedness? 2. Response plans 3. National response plan
17 Jan Tuesday	0830-1000	903	DHSM 2109	Basic Hydrological Cycle	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Definition 2. Components 3. Importance of Hydrological Cycle
	1015-1145	904	DHSM 2105	EOC Management and Operations-I	Lec Salit Chakma	<ol style="list-style-type: none"> 1. Facility Management 2. Operational Management
	1200-1330	903	DHSM 2101	Energy Resources	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Petroleum- -Organic Matter and Fossil Fuels -Petroleum Formation -Methods of Petroleum Source Rock Evaluation
18 Jan Wednesday	1200-1330	904	DHSM 2107	Urban Development Plan	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Urban Development Plan 2. Functions and Characteristics of a Development Plan 3. Structure Plan 4. Local Plan

Date Day	Time	Loc	Course Code	Events /Topics	Teachers/Faculty Members	Remarks/ Discussion Points
	1400-1530	904	DHSM 2103	Understanding the Intermediate Layers of Atmosphere	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Troposphere 2. Stratosphere 3. Mesosphere 4. Thermosphere 5. Affect of dust on weather
HANDBALL FINAL						
19 Jan Thursday	1400-1530	903	DHSM 2109	Hydrograph	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Definition 2. Hydrograph Components 3. Hydrograph separation 4. Unit Hydrograph
20 Jan Friday	WEEKEND					
	PICNIC					
21 Jan Saturday	WEEKEND					
22 Jan Sunday	0830-1000	903	DHSM 2101	Energy Resources	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Natural Gas 2. Coal

Date Day	Time	Loc	Course Code	Events /Topics	Teachers/Faculty Members	Remarks/ Discussion Points
	1015-1145	903	DHSM 2107	Urban Development Plan	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Master Plan 2. Objectives of Master Plan 3. Reasons behind the Inappropriateness of the 4. Conventional Methods of Master Plan
23 Jan Monday	0830-1000	904	DHSM 2103	Origin and Evolution of Atmosphere	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Previous form of atmosphere 2. Present form of atmosphere 3. Causes of difference 4. Future trend
	1015-1145	904	DHSM 2105	EOC Management and Operations-II	Lec Salit Chakma	<ol style="list-style-type: none"> 1. Organizing for EOC Management 2. Operations Room Design: Origin and present scenario
24 Jan Tuesday	0830-1000	903	DHSM 2109	Precipitation and Water Losses	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Types and forms of Precipitation 2. Causes of precipitation 3. measurements of precipitation 4. Its analysis
	1015-1145	904	DHSM 2105	Continuity of Operations Planning-I	Lec Salit Chakma	<ol style="list-style-type: none"> 1. Continuity of Operations Planning: People/Leadership, Staff, Communication & Technology, Facilities 2. Continuity Planning and Program Management

Date Day	Time	Loc	Course Code	Events /Topics	Teachers/Faculty Members	Remarks/ Discussion Points
	1200-1330	903	DHSM 2101	Alternative Energy Resources	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> Solar Power -Low Quality Solar Energy -Turbines and Electricity Generator
25 Jan Wednesday	1200-1330	904	DHSM 2107	Detail Area Planning	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> Urban Area Characteristics Different Methods and Techniques of Detail Area Planning
	1400-1530	904	DHSM 2103	The Heat Balance	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> Latitudinal difference Radiational balance Terrestrial (Earth) Radiation Atmospheric Radiation 5. Heat Balance and Transfer in the Atmosphere
26 Jan Thursday	1400-1530	903	DHSM 2109	Precipitation and Water Losses	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> Types of water losses Infiltration Methods determining Infiltration
27 Jan Friday	WEEKEND					
	PICNIC					

Date Day	Time	Loc	Course Code	Events /Topics	Teachers/Faculty Members	Remarks/ Discussion Points
28 Jan Saturday	WEEKEND					
29 Jan Sunday	0830-1000	903	DHSM 2101	Alternative Energy Resources	Lec Tazrina Jahan Chowdhury	1. Water Power- -Ocean Power -Hydroelectric Power
	1015-1145	903	DHSM 2107	Detail Area Planning	Lec Tazrina Jahan Chowdhury	1. Conditions or Problems for which Renewal Becomes Necessary 2. Methods of Renewal Process
30 Jan Monday	0830-1000	904	DHSM 2103	Characteristics of Wind Circulation	Lec Irtifa Alam Nabila	1. Characteristics of Wind Circulation 2. Why do wind speeds get high by day in valleys and at night hill tops 3. What cause horizontal variations of atmospheric pressure 4. Latitudinal circulation features
	1015-1145	904	DHSM 2105	Continuity of Operations Planning-II	Lec Salit Chakma	1. Essential Functions 2. Human Capital 3. Continuity Teams and Leadership 4. Delegations of Authority 5. Vital Records/Vital Resources

Date Day	Time	Loc	Course Code	Events /Topics	Teachers/Faculty Members	Remarks/ Discussion Points
31 Jan Tuesday	0830-1000	903	DHSM 2109	Evaporation	Lec Irtifa Alam Nabila	1. Evaporation 2. Evapotranspiration 3. Factors affecting evaporation 4. Methods of determining
	1015-1145	904	DHSM 2105	Strategizing Emergency Management Programs	Lec Salit Chakma	1. Strategy, what is it? 2. Why Develop a Strategy 3. Elements of the Strategy
	1200-1330	903	DHSM 2101	Alternative Energy Resources	Lec Tazrina Jahan Chowdhury	1. Wind Power 2. Biofuels
01 Feb Wednesday	SARASWATI PUJA					
02 Feb Thursday	1400-1530	903	DHSM 2109	Run Off	Lec Irtifa Alam Nabila	1. Sources of runoff 2. Catchment characteristics 3. Factor affecting runoff 4. Runoff estimation
03 Feb Friday	WEEKEND					
	PICNIC					

Date Day	Time	Loc	Course Code	Events /Topics	Teachers/Faculty Members	Remarks/ Discussion Points
04 Feb Friday	WEEKEND					
05 Feb Sunday	0830-1000	903	DHSM 2101	Metals	Lec Tazrina Jahan Chowdhury	1. Iron, Aluminium- -Use -Production and Reserves
	1015-1145	903	DHSM 2107	Development Control and Implementation Techniques	Lec Tazrina Jahan Chowdhury	1. Taxation of Urban House Property 2. Building Construction Regulation
06 Feb Monday	0830-1000	904	DHSM 2103	Characteristics of El-Nino Phenomena	Lec Irtifa Alam Nabila	1. Causes el-nino 2. Effects of ENSO warm phase 3. Transitional phases 4. Recent occurrences
	1015-1145	904	DHSM 2105	The Hazards Among Us	Lec Salit Chakma	1. Natural hazards 2. Man-made hazards

Date Day	Time	Loc	Course Code	Events /Topics	Teachers/Faculty Members	Remarks/ Discussion Points
07 Feb Tuesday	0830-1000	903	DHSM 2109	Stream Gauging	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Stream Gauging 2. Current Meter Gauging 3. Stage-Discharge-Rating Curve 4. Selection of Site for a Stream Gauging Station 5. Methods of Measuring Stream Flow
	1015-1145	904	DHSM 2105	The Role of The Public Health Official	Lec Salit Chakma	<ol style="list-style-type: none"> 1. When Can the PHO Help? 2. Who Is Involved?
	1200-1330	903	DHSM 2101	Metals	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Silicon, Managanese, Magnesium- -Use -Production and Reserves
08 Feb Wednesday	1200-1330	904	DHSM 2107	Urban Management	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Strategy Options for Managing the Growth of Cities 2. To Allow or Continue Growth by Peripheral Expansion. 3. To Allow Growth by Densification of Existing Built-up Area. 4. To Limit The Growth of City by Green Belt Plan

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	1400-1530	904	DHSM 2103	Characteristics of La-Nina Phenomena	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Causes la-nina 2. Its global impact 3. La Niña diversity 4. Occurrences of la-nina
Volleyball Final						
09 Feb Thursday	1400-1530	903	DHSM 2109	Catchment Modeling	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Characteristics of Catchment 2. Catchment Modeling 3. Tools
10 Feb Friday	WEEKEND					
	PICNIC					
11 Feb Saturday	WEEKEND					
12 Feb Sunday	0830-1000	903	DHSM 2101	Water and Soil Resources	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Global Distribution of Water 2. Hydrologic Cycle 3. Rainfall Pattern 4. Evapotranspiration 5. Groundwater and Aquifers
	1015-1145	903	DHSM 2107	Urban Management	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Planning of Satellite Town and Dormitory Town 2. Differences between Satellite Town and New Town

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13 Feb Monday	0830-1000	904	DHSM 2103	Humidity Profile	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> Humidity profile Impact on mammals Specific humidity Relative humidity
	1015-1145	904	DHSM 2105	Developing Public-Private Partnerships-I	Lec Salit Chakma	<ol style="list-style-type: none"> Types of Public-Private Partnerships (PPP) Need for PPPs Challenges in Creating PPPs
	POHELA FALGUN					
14 Feb Tuesday	0830-1000	903	DHSM 2109	Floods-Estimation and Control	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> Size of Floods Estimation of Peak Flood Flood Frequency Studies Encounter Probability
	1015-1145	904	DHSM 2105	Developing Public-Private Partnerships-II	Lec Salit Chakma	<ol style="list-style-type: none"> How to Start PPPs Resources for PPPs
	1200-1330	903	DHSM 2101	Water and Soil Resources	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> Water Quality, Usage and Law Water Composition and Quality Global Water Usage
15 Feb Wednesday	1200-1330	904	DHSM 2107	Urban Management	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> Urban Management by Regulation and Control Urban Governance
	1400-1530	904	DHSM 2103	Humidity Profile	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> Humidity profile Impact on mammals Specific humidity Relative humidity

Date Day	Time	Loc	Course Code	Events /Topics	Teachers/Faculty Members	Remarks/ Discussion Points
16 Feb Thursday	MID-TERM EXAMINATION WEEK BEGINS					
	SEMINAR					
17 Feb Friday	WEEKEND					
	PICNIC					
18 Feb Saturday	WEEKEND					
19 Feb Sunday- 20 Feb	MID-TERM EXAMINATION WEEK					
21 Feb Tuesday	INTERNATIONAL MOTHER LANGUAGE DAY					
22 Feb Wednesday- 23 Feb Thursday	MID-TERM EXAMINATION WEEK					
	SEMINAR					
24 Feb Friday	WEEKEND					
	PICNIC					
25 Feb Saturday	WEEKEND					
26 Feb Sunday- 02 Mar Thursday	MID-TERM BREAK					
03 Mar Friday	WEEKEND					

Date Day	Time	Loc	Course Code	Events /Topics	Teachers/Faculty Members	Remarks/ Discussion Points
	PICNIC					
04 Mar Saturday	WEEKEND					
05 Mar Sunday	0830-1000	903	DHSM 2101	Water and Soil Resources	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Soil as a Resource 2. Composition of Soil 3. Soil Classification 4. Distribution of Soil
	1015-1145	903	DHSM 2107	Urban Management	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Problems of Governance of Dhaka Metropolitan Area 2. Problems of Big Cities
06 Mar Monday	0830-1000	904	DHSM 2103	The Hydrological Cycle	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Hydrological Cycle 2. The cycle permits the world to thrive 3. Processes of Hydrological Cycle 4. Changes over time
	1015-1145	904	DHSM 2105	Assessing Vulnerabilities-I	Lec Salit Chakma	<ol style="list-style-type: none"> 1. Vulnerability Assessment 2. Methodological Approaches to Vulnerability Assessment
07 Mar Tuesday	0830-1000	903	DHSM 2109	Groundwater	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Definition 2. Origin and depth of GW 3. Aquifers and 4. Aquifers properties

Date Day	Time	Loc	Course Code	Events /Topics	Teachers/Faculty Members	Remarks/ Discussion Points
	1015-1145	904	DHSM 2105	Assessing Vulnerabilities-II	Lec Salit Chakma	<ol style="list-style-type: none"> 1. Simple Rating 2. Risk Matrix 3. Risk Equation
	1200-1330	903	DHSM 2101	Water and Soil Resources	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Soil and Land Management 2. Degradation of Soils
	1200-1330	904	DHSM 2107	Roots of Urban Risk and Vulnerability	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Urbanization 2. Sustainable Development
08 Mar Wednesday	1400-1530	904	DHSM 2103	The Hydrological Cycle	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Hydrological Cycle 2. The cycle permits the world to thrive 3. Processes of Hydrological Cycle 4. Changes over time
09 Mar Thursday	1400-1530	903	DHSM 2109	Hydrological Environments	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Hydrogeological environments 2. Environment of Bangladesh 3. Sea-water intrusion in coastal aquifers
10 Mar Friday	WEEKEND					
11 Mar Saturday						

Date Day	Time	Loc	Course Code	Events /Topics	Teachers/Faculty Members	Remarks/ Discussion Points
12 Mar Sunday	0830-1000	903	DHSM 2101	Elements of Ecology	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Introduction to Ecology 2. Introduction to Ecosystem 3. Differences between Ecology and Ecosystem 4. Biotic and Abiotic Relationship
	1015-1145	903	DHSM 2107	Roots of Urban Risk and Vulnerability	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Urban Hazards and Risk Factors 2. Disaster Vulnerability and Resilience
13 Mar Monday	0830-1000	904	DHSM 2103	Evaporation Characteristics	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Evaporation rate 2. Vapor pressure 3. Multi-component liquid 4. Cooling process and the human body
	1015-1145	904	DHSM 2105	Emergency Management Stakeholders-I	Lec Salit Chakma	<ol style="list-style-type: none"> 1. Social Groups 2. Economic Groups 3. Governmental Stakeholders
14 Mar Tuesday	0830-1000	903	DHSM 2109	Water Resources Planning & Management	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Water resources 2. Impurities of water 3. Criteria of water quality 4. Sources of fresh water
	1015-1145	904	DHSM 2105	Emergency Management Stakeholders-II	Lec Salit Chakma	<ol style="list-style-type: none"> 1. Types of Power 2. The Emergency Management Policy Process
	1200-1330	903	DHSM 2101	Elements of Ecology	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Marine Ecology 2. Components of Marine Ecology

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15 Mar Wednesday	1200-1330	904	DHSM 2107	Cities as Sites for Disaster	Lec Tazrina Jahan Chowdhury	1. Types and Scale of Risk 2. Geography of Urban Disaster
	1400-1530	904	DHSM 2103	Fog Formation and Classification	Lec Irtifa Alam Nabila	1. Formation of fog 2. Character of advection fog 3. Character of steam fog 4. Classification
16 Mar Thursday	1400-1530	903	DHSM 2109	Characteristics of Water Used in Different Sector	Lec Irtifa Alam Nabila	1. Use of water 2. Characteristics of domestic industrial 3. Characteristics of Irrigation water
17 Mar Friday	BIRTHDAY OF BANGABONDHU					
18 Mar Saturday	WEEKEND					
19 Mar Sunday	0830-1000	903	DHSM 2101	Elements of Ecology	Lec Tazrina Jahan Chowdhury	1. Wildlife Ecology 2. Components of Wildlife Ecology 3. Wildlife Rehabilitation
	1015-1145	903	DHSM 2107	Cities as Sites for Disaster	Lec Tazrina Jahan Chowdhury	1. Environmental Change and Urban Risk 2. Urban Environmental Transition 3. Peripheral Settlements/Urban Sprawl

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20 Mar Monday	0830-1000	904	DHSM 2103	Cloud	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Formation principles of cloud 2. Structure of Cloud 3. Classification 4. Dynamic aspects of cloud formation
	1015-1145	904	DHSM 2105	Building An Effective Emergency Management Organization	Lec Salit Chakma	<ol style="list-style-type: none"> 1. The Local Emergency Management Agency (LEMA) 2. Measuring Emergency Management Effectiveness 3. Developing an Emergency Plan
21 Mar Tuesday	0830-1000	903	DHSM 2109	Wetlands & Water Resources	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Different types of Wetlands & water resources 2. Wetlands 3. Common wetlands in Bangladesh 4. Soil water relationship
	1015-1145	904	DHSM 2105	Hazard Mitigation	Lec Salit Chakma	<ol style="list-style-type: none"> 1. Legal Framework for Hazard Mitigation 2. Applying Hazard Mitigation Measures
	1200-1330	903	DHSM 2101	Elements of Ecology	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Freshwater Ecology 2. Plants, Microbes and Animals of Freshwater 3. Chemicals in Freshwater 4. Oxygen: Forms and Transformation

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22 Mar Wednesday	1200-1330	904	DHSM 2107	Urban Disaster Impacts	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Impacts in the Ecosystem 2. Future Threats
	1400-1530	904	DHSM 2103	Precipitation	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Precipitation forms 2. Precipitation types 3. Visible droplets 4. Invisible droplets
23 Mar Thursday	1400-1530	903	DHSM 2109	Wetlands & Water Resources	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Different types of Wetlands & water resources 2. Wetlands 3. Common wetlands in Bangladesh 4. Soil water relationship
	SEMINAR					
24 Mar Friday	WEEKEND					
25 Mar Saturday						
26 Mar Sunday	INDEPENDENCE DAY					

Date Day	Time	Loc	Course Code	Events /Topics	Teachers/Faculty Members	Remarks/ Discussion Points
27 Mar Monday	0830-1000	904	DHSM 2103	Air Masses	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Boundaries separating air masses 2. Large regions in which Properties of 3. air have small horizontal variation 4. Good air mass source region 5. 4. Extensive surfaces with light winds
	1015-1145	904	DHSM 2105	Preparedness For Emergency Response and Disaster Recovery	Lec Salit Chakma	<ol style="list-style-type: none"> 1. Guiding Principles of Emergency Planning 2. Organizational Structures for Emergency Preparedness
28 Mar Tuesday	0830-1000	903	DHSM 2109	Watershed Management	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Watershed management of urban/ Municipality 2. Rural area emphasis on drinking water 3. Urban area emphasis on drinking water 4. Irrigation water
	1015-1145	904	DHSM 2105	Disaster Recovery-I	Lec Salit Chakma	<ol style="list-style-type: none"> 1. The Recovery Process. 2. Household Recovery 3. Business Recovery
	1200-1330	903	DHSM 2101	Conservation Biology	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Conceptual Foundations 2. Global Biodiversity 3. Threats to Biodiversity 4. Overexploitation

Date Day	Time	Loc	Course Code	Events /Topics	Teachers/Faculty Members	Remarks/ Discussion Points
29 Mar Wednesday	1200-1330	904	DHSM 2107	Urban Disaster Impacts	Lec Tazrina Jahan Chowdhury	1. Social Impact 2. Long Term Consequences
	1400-1530	904	DHSM 2103	Air Fronts	Lec Irtifa Alam Nabila	1. Warm front 2. Cold front 3. Cyclones and anticyclones 4. Condition for forming 5. Cyclonic storm
30 Mar Thursday	1400-1530	903	DHSM 2109	Water and Conflict	Lec Irtifa Alam Nabila	1. Economic considerations 2. Water and conflict 3. Water Stress 4. Business response
	SEMINAR					
31 Mar Friday	WEEKEND					
01 Apr Saturday						
02 Apr Sunday	0830-1000	903	DHSM 2101	Sustainable Development	Lec Tazrina Jahan Chowdhury	1. Introduction to Sustainable Development 2. An Introduction to Economic Growth 3. Global Environmental Threats Caused by Economic Development

Date Day	Time	Loc	Course Code	Events /Topics	Teachers/Faculty Members	Remarks/ Discussion Points
	1015-1145	903	DHSM 2107	Urban Disaster Impacts	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Political Impact 2. International Threat
03 Apr Monday	0830-1000	904	DHSM 2103	Climate Classification	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Basic approaches of climate 2. classification 3. Descriptive climatic systematization 4. Objective empiric classifications 5. 4. Geographical Classification
	1015-1145	904	DHSM 2105	Disaster Recovery-II	Lec Salit Chakma	<ol style="list-style-type: none"> 1. The Role of Hazard Insurance 2. The Role of Non-Governmental Organizations (NGOs) & Community Based Organizations (CBOs)
04 Apr Tuesday	0830-1000	903	DHSM 2109	Water & Human Life	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Water Rights 2. Human Activities 3. National Water Policy 4. Safety Standards 5. Rural and Urban Water Supply
	1015-1145	904	DHSM 2105	Disaster Recovery-III	Lec Salit Chakma	<ol style="list-style-type: none"> 1. Developing a Recovery Operations Plan 2. Damage Assessment

Date Day	Time	Loc	Course Code	Events /Topics	Teachers/Faculty Members	Remarks/ Discussion Points
	1200-1330	903	DHSM 2101	Sustainable Development	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Incomes Around the World 2. Urban-rural Inequality 3. Sustainable Urban Livelihood 4. Sustainable Rural Livelihood
05 Apr Wednesday	1200-1330	904	DHSM 2107	Social Vulnerability and Resilience	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Human Vulnerability in Urban Areas 2. Livelihood Vulnerability 3. Social Adaptation 4. Potential Adaptation Method in Dhaka City
	1400-1530	904	DHSM 2103	Climate Classification	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Koppen's Climate Classification 2. Advantages and Limitations of the Köppen System 3. The Thornthwaite System 4. Advantages and Limitations of the Thornthwaite System 5. Thornthwaite System
06 Apr Thursday	1400-1530	903	DHSM 2109	Water & Human Life	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Water Rights 2. Human Activities 3. National Water Policy 4. Safety Standards 5. Rural and Urban Water Supply

Date Day	Time	Loc	Course Code	Events /Topics	Teachers/Faculty Members	Remarks/ Discussion Points
07 Apr Friday	WEEKEND					
08 Apr Saturday						
09 Apr Sunday	0830-1000	903	DHSM 2101	Sustainable Development Goals	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Sustainable Development Goals 2. Goal-Based Development 3. Principles of Good Governance
	1015-1145	903	DHSM 2107	Urban Governance and Disaster	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Principles and Characteristics 2. Information and Power
10 Apr Monday	0830-1000	904	DHSM 2103	Atmospheric Extreme Event and Hazards	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Tropical Cyclone 2. Tropical Depression 3. Thunderstorms 4. Lightning 5. Tornadoes
	1015-1145	904	DHSM 2105	Disaster Recovery-IV	Lec Salit Chakma	<ol style="list-style-type: none"> 1. Short-Term Recovery 2. Long Term Reconstruction
11 Apr Tuesday	0830-1000	903	DHSM 2109	Water Resources of Bangladesh	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. River system 2. Haors 3. Wetlands 4. Classification of rives

Date Day	Time	Loc	Course Code	Events /Topics	Teachers/Faculty Members	Remarks/ Discussion Points
	1015-1145	904	DHSM 2105	International Emergency Management	Lec Salit Chakma	<ol style="list-style-type: none"> 1. Factors that Cause Variation in Policy Choices 2. The Role of International Organizations 3. Techniques of interpretation
	1200-1330	903	DHSM 2101	Sustainable Development Goals	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. The Global Challenges of Sustainable Development 2. Actors and Actions in Sustainable Development
12 Apr Wednesday	1200-1330	904	DHSM 2107	Disaster Mitigation and Management	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. Role of Land Use Planning in Mitigation 2. Role of Zoning in Mitigation
	1400-1530	904	DHSM 2103	Atmospheric Extreme Event and Hazards	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Tropical Cyclone 2. Tropical Depression 3. Thunderstorms, 4. Lightning 5. Tornadoes
13 Apr Thursday	1400-1530	903	DHSM 2109	Water Resources of Bangladesh	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. River system 2. Haors 3. Wetlands 4. Classification of rives
14 Apr Friday	POHELA BOISHAKH					

Date Day	Time	Loc	Course Code	Events /Topics	Teachers/Faculty Members	Remarks/ Discussion Points
15 Apr Saturday	WEEKEND					
16 Apr Sunday	EASTER SUNDAY					
17 Apr Monday	0830-1000	904	DHSM 2103	Atmospheric Extreme Event and Hazards	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Tropical Cyclone 2. Tropical Depression 3. Thunderstorms, 4. Lightning 5. Tornadoes
	1015-1145	904	DHSM 2105	Future Directions in Emergency Management-I	Lec Salit Chakma	<ol style="list-style-type: none"> 1. Global Challenges 2. National Challenges
18 Apr Tuesday	0830-1000	903	DHSM 2109	Artificial Raining Method	Lec Irtifa Alam Nabila	<ol style="list-style-type: none"> 1. Conditions for Cloud Seeding 2. Cloud Seeding Technique 3. Cloud Seeding Operation
	1015-1145	904	DHSM 2105	Future Directions in Emergency Management-II	Lec Salit Chakma	<ol style="list-style-type: none"> 1. National Challenges 2. Professional Challenges
	1200-1330	903	DHSM 2101	Sustainable Development Goals	Lec Tazrina Jahan Chowdhury	<ol style="list-style-type: none"> 1. South Asia- the Continuing Challenge of Food Supply 2. Designing Practical Interventions- The Case of Millennium Villages

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19 Apr Wednesday	1200-1330	904	DHSM 2107	Disaster Mitigation and Management	Lec Tazrina Jahan Chowdhury	1. Building Code/Regulation 2. Infra-structure Planning
	1400-1530	904	DHSM 2103	Atmospheric Extreme Event and Hazards	Lec Irtifa Alam Nabila	1. Tropical Cyclone 2. Tropical Depression 3. Thunderstorms, 4. Lightning 5. Tornadoes
20 Apr Thursday	1400-1530	903	DHSM 2109	Laws & Institutions	Lec Irtifa Alam Nabila	1. Water Rights 2. Government Policies 3. Water Laws 4. Water Organizations 5. Water Conventions 6. Trans-Boundary Rivers 7. Water Treaties
	SEMINAR					
21 Apr Friday	WEEKEND					
22 Apr Saturday						
23 Apr Sunday	0830-1000	903	DHSM 2101	Sustainable Development Indicators	Lec Tazrina Jahan Chowdhury	1. Need for Indicators 2. Emission, Diffusion and Impact Model
	1015-1145	903	DHSM 2107	Disaster Mitigation and Management	Lec Tazrina Jahan Chowdhury	1. Analyzing Compatibility of Dhaka City's Land Use Planning

Date Day	Time	Loc	Course Code	Events /Topics	Teachers/Faculty Members	Remarks/ Discussion Points
						2. Analyzing Compatibility of Dhaka City's Zoning Plan 3. Overview of Building Codes in Different Urban Areas
24 Apr Monday	0830-1000	904	DHSM 2103	Presentation	Lec Irtifa Alam Nabila	
	1015-1145	904	DHSM 2105	Presentation	Lec Salit Chakma	
25 Apr Tuesday	SHOB-E-MIRAZ					
26 Apr Wednesday	1200-1330	904	DHSM 2107	Presentation	Lec Tazrina Jahan Chowdhury	
	1400-1530	904	DHSM 2103	Presentation	Lec Irtifa Alam Nabila	
27 Apr Thursday	1400-1530	903	DHSM 2109	Laws & Institutions	Lec Irtifa Alam Nabila	1. Water Rights 2. Government Policies 3. Water Laws 4. Water Organizations 5. Water Conventions 6. Trans-Boundary Rivers 7. Water Treaties

Date Day	Time	Loc	Course Code	Events /Topics	Teachers/Faculty Members	Remarks/ Discussion Points
	SEMINAR					
28 Apr Friday	WEEKEND					
29 Apr Saturday						
30 Apr Sunday	0830-1000	903	DHSM 2101	Presentation	Lec Tazrina Jahan Chowdhury	
	1015-1145	903	DHSM 2107	Presentation	Lec Tazrina Jahan Chowdhury	
01 May Monday	MAY DAY					
02 May Tuesday	0830-1000	903	DHSM 2109	Presentation	Lec Irtifa Alam Nabila	
	1015-1145	904	DHSM 2105	Presentation	Lec Salit Chakma	
	1200-1330	903	DHSM 2101	Presentation	Lec Tazrina Jahan Chowdhury	
03 May Wednesday	1200-1330	904	DHSM 2107	Presentation	Lec Tazrina Jahan Chowdhury	
	1400-1530	904	DHSM 2103	Presentation	Lec Irtifa Alam Nabila	

Date Day	Time	Loc	Course Code	Events /Topics	Teachers/Faculty Members	Remarks/ Discussion Points
	INDOOR FINAL					
04 May Thursday	1400-1530	903	DHSM 2109	Presentation	Lec Irtifa Alam Nabila	
05 May Friday	WEEKEND					
06 May Saturday						
07 May Sunday	0830-1000	903	DHSM 2101	Presentation	Lec Tazrina Jahan Chowdhury	
	1015-1145	903	DHSM 2107	Presentation	Lec Tazrina Jahan Chowdhury	
08 May Monday	0830-1000	904	DHSM 2103	Presentation	Lec Irtifa Alam Nabila	
	1015-1145	904	DHSM 2105	Presentation	Lec Salit Chakma	
09 May Tuesday	0830-1000	903	DHSM 2109	Presentation	Lec Irtifa Alam Nabila	
	1015-1145	904	DHSM 2105	Presentation	Lec Salit Chakma	

Date Day	Time	Loc	Course Code	Events /Topics	Teachers/Faculty Members	Remarks/ Discussion Points
	1200-1330	903	DHSM 2101	Presentation	Lec Tazrina Jahan Chowdhury	
10 may Wednesday	BHOUDDHO PURNIMA					
11 May Thursday	1400-1530	903	DHSM 2109	Presentation	Lec Irtifa Alam Nabila	
12 May Friday	WEEKEND					
	SHOB-E-BHARAT					
13 May Saturday	WEEKEND					
14 May Sunday- 24 May Wednesday	PREPARATORY LEAVE (PL)/QUESTION SETTING & PREPARATION					
25 May Thursday- 08 Jun Thursday	SEMESTER FINAL EXAMINATION					
09 Jun Friday	WEEKEND					
10 Jun Saturday	WEEKEND					

Date Day	Time	Loc	Course Code	Events /Topics	Teachers/Faculty Members	Remarks/ Discussion Points
11 Jun Sunday- 15 Jun Thursday				VIVA VOCE		
16 Jun Friday				WEEKEND		
17 Jun Saturday						
18 Jun Sunday- 22 Jun Thursday				RESULT PUBLICATION		
23 Jun Friday				SHAB-E-KADR		
24 Jun Saturday- 01 Jul Saturday				SUMMER VACATION		