



## **BUS RAPID TRANSIT: PLANNING, DESIGN, & OPERATIONS (PL-60)**

### **COURSE OUTLINE**

#### **DAY ONE**

##### **MODULE 1: Course Overview and Student Activities**

###### Learning Objective

- Understand the nature of the course and student involvement

###### 1.A COURSE INTRODUCTION AND OVERVIEW (30 minutes)

1.A.1 Introduction of the course

1.A.2 Content overview

1.A.2 Student involvement

##### **MODULE 2: Course Overview, BRT Definition and Attributes**

###### Learning Objective

- Appreciate the definition, attributes, history, and practice of BRT

###### 2.A BRT DEFINITION, EVOLUTION, AND ATTRIBUTES (30 minutes)

2.A.1 Definition of BRT

2.A.2 Attributes of BRT

2.A.3 Evolution of BRT in America and abroad

###### 2.B BRT CASE STUDIES (75 minutes)

BRT Abroad

BRT in North America

#### **QUESTIONS**

#### **DAY TWO**

##### **MODULE 3: BRT Planning**

###### Learning Objective

- Understand the BRT planning process

###### 3.A BRT PLANNING (75 minutes)

3.A.1 Creating a vision

3.A.2 The Inter-disciplinary team and the stakeholders

3.A.3 Planning a BRT Network

3.A.4 BRT as a complementary element in a transit system

## **MODULE 4: BRT Planning, Part 2**

Learning Objective

- Learn how to select the right BRT plan

BRT PROJECT SELECTION (60 minutes)

4.A.1 Defining the BRT Corridor, including the appropriate options for the corridor.

4.A.2 Evaluating the BRT Corridor and selecting the right project

## **QUESTIONS**

### **DAY THREE**

#### **MODULE 5: BRT Design, Part 1**

Learning Objective

- Learn components of BRT design

5.A BRT TRAVEL WAY AND EQUIPMENT (60 minutes)

4.A.1 Travel way

4.A.2 Equipment

#### **MODULE 6: BRT Design, Part 2**

Learning Objective

- Learn components of BRT design

6.A BRT STOPS AND INTERSECTION TREATMENTS (75 minutes)

5.A.1 Stop treatments and spacing

5.A.2 Intersection treatments

5.A.3 Traffic analysis

## **QUESTIONS**

### **DAY FOUR**

#### **MODULE 7: BRT Access and Modal Integration**

Learning Objective

- Appreciate the important aspects of BRT multimodal access and integration

7.A BRT ACCESS AND MODAL INTEGRATION (45 minutes)

7.A.1 The “last mile” access to BRT

6.A.2 Bus interchange with BRT

6.A.3 Vehicle parking and BRT

## **MODULE 8: BRT Brand Identity and Marketing**

Learning Objective

- Learn best practices in BRT branding and marketing

8.A TOD BRANDING AND MARKETING (45 minutes)

8.A.1 BRT brand identity

8.A.2 Marketing BRT

## **MODULE 9 – Case Studies**

Learning Objective

- Putting it all together

9.A BRT CASE STUDIES (45 minutes)

## **QUESTIONS**