

# NCTS Training for 2017

Training Program	Date	Amount per Participant
Traffic Administration Course	February 6-10	Php 12,000.00
Traffic Management Course for Traffic Law Enforcers – Level I	March 27-31	Php 12,000.00
Developing Strategies to Curb Emissions based on Fleet Profiles of Motorized 2&3-Wheelers in Smaller Cities	April 26-28	Php 7,500.00
Traffic Impact Assessment for Technical Evaluators	May 16-18	Php 7,500.00
Training Course on Road Works Safety	June 19-23	Php 12,000.00
Training Course on Road Safety Audit	July 3-7	Php 12,000.00
Traffic Administration Course	August 14-18	Php 12,000.00
Emission Inventory for Smaller Cities	September 26-29	Php 10,000.00
Advanced Traffic Administration Course	October 9-13	Php 12,000.00
Traffic Management Course for Traffic Law Enforcers – Level 2	November 13-17	Php 12,000.00



## UP National Center for Transportation Studies

University of the Philippines  
Diliman, Quezon City  
Tel. Nos. (0632)981-8500 loc 3552/929-0495  
<http://www.ncts.upd.edu.ph> or  
<https://www.facebook.com/upncts/>  
Email: [up.ncts@gmail.com](mailto:up.ncts@gmail.com)

# TRAFFIC ADMINISTRATION COURSE



## UP National Center for Transportation Studies

University of the Philippines  
Diliman, Quezon City  
Tel. Nos. (0632)981-8500 loc 3552/929-0495  
[Http://www.ncts.upd.edu.ph](http://www.ncts.upd.edu.ph) or  
<https://www.facebook.com/upncts/>  
Email: [up.ncts@gmail.com](mailto:up.ncts@gmail.com)

# TRAFFIC ADMINISTRATION COURSE

## Rationale

Local Government Unit employees especially those in the City Planning and Development Office, Traffic Management Office and City Engineering Office are main target for this course. The training gives overview of what transportation planning is all about and its interaction with land use. This also includes introduction to Traffic Engineering and management. Basics of traffic impact assessment including rationale required analysis and components of the transportation system is also presented. Different traffic measures employed locally and internationally will be discussed as well as basic traffic safety information and education programs are introduced. Field work activity including data collection will be experienced by the participants for a more hands-on learning. Lastly, candidates will understand specific institutional issues and the possible legal arrangements in setting up the traffic regulatory unit including laws related therein.

## Target Participants

Municipal/City planners, Municipal/City engineers, traffic engineers, transportation planners, local and national government personnel involved in transportation and related functions

## Objectives

At the end of the training, the participants will be able :

1. To become familiar with transportation and traffic issues relevant to local traffic context;
2. To enhance their knowledge and skills in planning, management, and administration of transportation programs; and
3. To establish professional and friendly relationships among experts and other participants.

## Course Outline

Module 1. Introduction to Transportation Planning

Module 2. Introduction to Traffic Engineering and Management

Module 3. Fundamentals of Traffic Impact Assessment

Module 4. Mobility Management

Module 5. Road Traffic Safety

Module 6. Introduction to Public Transportation Planning

Module 7. Data Collection and Management

Module 8. Institutional Framework

## Participation Fee

Php 12,000 per person, inclusive of training kit, course materials, certificate with holder, lunch, and snacks.

Please make checks payable to UP National Center for Transportation Studies Foundation, Inc. (UPNCTSFI).

## Minimum Degree Requirement

Bachelor's Degree.

# TRAFFIC MANAGEMENT COURSE FOR TRAFFIC LAW ENFORCERS (LEVEL I)



## UP National Center for Transportation Studies

University of the Philippines  
Diliman, Quezon City  
Tel. Nos. (0632)981-8500 loc. 3552/929-0495  
Http://www.ncts.upd.edu.ph  
Email: [up.ncts@gmail.com](mailto:up.ncts@gmail.com)

# TRAFFIC MANAGEMENT COURSE FOR TRAFFIC LAW ENFORCERS (LEVEL I)

## Rationale

This course provides training for personnel who are required to enforce traffic laws and regulations and to direct and control traffic. The course allows enforcers to understand their role as a traffic enforcer and understand the different laws and regulations they are going to enforce. This program also covers the standard traffic signs and pavement markings – their meaning and when and where to install them. This course also allows enforcers to direct and control traffic in an intersection. Administration of traffic citation ticket and investigation, recording and reporting of traffic incident are also covered in this program.

## Target Participants

Traffic Law enforcers and private traffic crash investigators, engineers, lawyers, safety officers, local and national government personnel involved in traffic management.

## Objectives

At the end of the training, the participants will be able to:

1. Understand the role of a traffic enforcer;
2. Identify the different laws and regulations;
3. Identify different traffic signs and pavement markings;
4. Be familiar with the procedures on how to direct and control traffic;
5. Be familiar with the significant legal requirements of the administration of traffic citation ticket;
6. Learn how to investigate, record and report traffic accident/incident, and,
7. Understand the different institutional arrangements in traffic management.

## Course Outline

Module 1. Introduction to Traffic Management	Module 6. Traffic Direction and Control
Module 2. Human, Vehicle and Flow Characteristics	Module 7. Traffic Citation Administration
Module 3. Introduction to Traffic Law Enforcement	Module 8. Traffic Accident Investigation
Module 4. Traffic Laws and Regulations	Module 9. Traffic Administration
Module 5. Traffic Signs and Pavement Markings	Module 10. Road Safety Program

## Participation Fee

Php 12,000 per person, inclusive of training kit, course materials, certificate with holder, lunch, and snacks. Please make checks payable to UP National Center for Transportation Studies Foundation, Inc. (UPNCTSFI).

## Minimum Degree Requirement

College level.

# DEVELOPING STRATEGIES TO CURB EMISSIONS BASED ON FLEET PROFILES OF MOTORIZED 2&3WHEELERS IN SMALLER CITIES



**UP National Center for Transportation Studies**

University of the Philippines  
Diliman, Quezon City  
Tel. Nos. (0632)981-8500 loc. 3552/929-0495  
Http://www.ncts.upd.edu.ph  
Email: [up.ncts@gmail.com](mailto:up.ncts@gmail.com)

# Profiling Motorized 3- and 2-Wheelers for 1 Clean City: Developing Strategies to Curb Emissions from Transport

## Purpose and Objective

Develop city fleet profiles of motorized 2- & 3-wheelers used as public transport towards formulating Avoid-Shift-Improve Strategies to reduce emissions.

## Target Participants

### City Administration Section Heads & their technical support staff:

- Transport Licensing Section
- Transport Planning/ City Engineering Section
- Records section
- Environmental Section
- Head of local 2&3-W associations
- Representative of City Council on transport
- Representative of local traffic enforcement
- Local NGOs and civil society groups focusing on air quality and mobility

## Objectives

At the end of the training, the participants will be able :

1. Generate a city fleet profile of public 2- or 3-wheeler use by computing the following transport-related metrics:
  - percentage of two-stroke units
  - 2- or 3W-vehicle to population ratio
  - estimated vehicle kilometers travelled
  - estimated passenger kilometers
  - estimated emissions from 2- or 3W fleet
2. Propose at least one Avoid-Shift-Improve strategy to reduce emissions from 2- or 3-wheelers that are applicable to their city and communicate this in a presentation.

## Course Outline

- Module 1. One Clean City: Relating Transport to Air Quality
- Module 2. Data and Statistics: Profiling our City and Fleet
- Module 3. Measuring Transport Activity and Impacts of 2- and 3-Wheelers in Your City
- Module 4. A Tale of Two Cities
- Module 5. Three Strategies: Avoid-Shift-Improve
- Module 6. Three Actions: Applying A-S-I Strategies to your City

## Participation Fee

Php 10,000 per person, inclusive of training kit, course materials, certificate with holder, lunch, and snacks.

Please make checks payable to UP National Center for Transportation Studies Foundation, Inc. (UPNCTSFI).

## Minimum Degree Requirement

Bachelor's Degree.

# TRAFFIC IMPACT ASSESSMENT FOR TECHNICAL EVALUATORS



## UP National Center for Transportation Studies

University of the Philippines  
Diliman, Quezon City  
Tel. Nos. (0632)981-8500 loc 3552/929-0495  
Http://www.ncts.upd.edu.ph  
Email: [up.ncts@gmail.com](mailto:up.ncts@gmail.com)



# TRAFFIC IMPACT ASSESSMENT FOR TECHNICAL EVALUATORS

## Rationale

Urban and regional development projects, such as malls, housing, schools and commercial establishments, have already been established to have remarkable impacts on the transportation system and its environment. It is necessary to evaluate the significance of traffic-related impacts before the implementation of a proposed development. The TIA process allows these future impacts to be planned for and mitigated. TIA is now being required by some local governments and national agencies for some developments before its approval. This training will give an overview of the TIA process and discuss the contents of a TIA report.

## Target Participants

City/Municipal planner, City/Municipal engineer, traffic engineer, transportation planner, local and national government personnel involved in transportation and related functions and TIA would-be evaluators.

## Objectives

At the end of the training, the participants will be able :

1. To appreciate traffic impact assessment
2. To understand the principles and steps in conducting a TIA
3. To apply the TIA Report checklist in evaluating traffic impact assessment report; and
4. To assess suitability of recommended measures to mitigate traffic impact.

## Course Outline

Module 1. Fundamentals of Traffic Impact Assessment

Module 2. The Traffic Impact Assessment Report: Familiarization with the Components

Module 3. Transport Planning: Trip Generation and Distribution

Module 4. Transport Planning: Mode Split and Route Assignment

Module 5. Traffic Engineering Analysis: Determination of Level of Service (LOS)

Module 6. Transport and Traffic Survey for Traffic Impact Assessment

Module 7. Transport Systems Management (TSM) and Travel Demand Management (TDM)

Module 8. Preparing Traffic Impact Assessment Evaluators Checklist

Module 9. Institutionalization of Traffic Impact Assessment

Workshop – Applying the Checklist

## Participation Fee

Php 7,500 per person, inclusive of training kit, course materials, certificate with holder, lunch, and snacks.

Please make checks payable to UP National Center for Transportation Studies Foundation, Inc. (UPNCTSFI).

## Minimum Degree Requirement

Bachelor's Degree. Preferably attended the Traffic Administration Course.

# TRAINING COURSE ON ROAD WORKS SAFETY



## UP National Center for Transportation Studies

University of the Philippines  
Diliman, Quezon City  
Tel. Nos. (0632)981-8500 loc 3552/929-0495  
Http://www.ncts.upd.edu.ph  
Email: [up.ncts@gmail.com](mailto:up.ncts@gmail.com)

# TRAINING COURSE ON ROAD WORKS SAFETY

## Rationale

Generally, road traffic causes significant dangers to people working on the roads. On the other hand, roadworks can put other road users in a dangerous situation. It is in this context that Department of Public Works and Highways developed the Road Works Safety Manual for use throughout the Philippines. This manual shall be used at roadwork and bridgework sites when providing signage and traffic management to warn, guide and control traffic. The principles in the manual aim to maximize the safety of workers and the public during roadworks.

The UP National Center for Transportation Studies in cooperation with the Department of Public Works and Highways offered this Road Works Safety Course to provide a uniform approach to worksite traffic management through the use of standard signs and layouts that can be applied to most road work situations.

## Target Participants

Municipal/City planners, Municipal/City engineers, traffic engineers, transportation planners, local and national government personnel involved in transportation and related functions

## Objectives

At the end of the training, the participants will be able :

1. To enhance their knowledge and skills about traffic management and road safety during road maintenance and construction
2. To standardize traffic control on worksites using the Road Works Safety Manual of the Department of Public Works and Highways; and
3. To demonstrate safe working methods into actual road works situations.

## Course Outline

Module 1:	Introduction to Worksite Traffic Management
Module 2:	Worksite Layout of Signages and Devices
Module 3:	Signs for Worksites
Module 4:	Traffic Control Devices and Traffic Controllers
Module 5:	Introduction to Road Works Safety Manual
Module 6:	Traffic Management Plan during Road Works Field Visit, Workshops and Presentation

## Participation Fee

Php 12,000 per person, inclusive of training kit, course materials, certificate with holder, lunch, and snacks. Please make checks payable to UP National Center for Transportation Studies Foundation, Inc. (UPNCTSFI).

## Minimum Degree Requirement

Bachelor's Degree.

# TRAINING COURSE ON ROAD SAFETY AUDIT



## UP National Center for Transportation Studies

University of the Philippines  
Diliman, Quezon City  
Tel. Nos. (0632)981-8500 loc 3552/929-0495  
Http://www.ncts.upd.edu.ph  
Email: [up.ncts@gmail.com](mailto:up.ncts@gmail.com)

# TRAINING COURSE ON ROAD SAFETY AUDIT

## Rationale

Road network expansion, increased motorization and urbanization in the country have been accompanied by a surge in road accidents leading to road injuries and fatalities. Today, road traffic injuries tops the list of leading causes of deaths. Road Safety Audit was established in order to prevent such road traffic incidents. This is a formal process where an independent and qualified audit team examines and reports on the traffic accident potential and safety performance of a future road project or a traffic management scheme on an existing road. RSA has the greatest potential for improving safety and is most cost effective when it is applied to a road or traffic design before the project is built. It is in this context that Training Course on Road Safety Audit was offered by UP-NCTS, which has a pool of experts in the field of transportation planning and traffic engineering and management. This course will use existing course materials and resources to maximize hands-on experience and ensure internalization as well as retention of the concepts being presented. The training gives an overview on principles and fundamentals of road safety, statistics/trends, causes and factors of crashes, road safety audit concepts, accident analysis and various road safety facilities. Basics of geometric design of highway sections and their applications together with intersection design elements are also presented.

## Target Participants

Municipal/City planners, Municipal/City engineers, traffic engineers, transportation planners, local and national government personnel involved in transportation and related functions

## Objectives

At the end of the training, the participants will be able :

1. To become familiar with road safety issues relevant to local traffic context;
2. To enhance their knowledge and skills in improving road safety; and
3. To establish professional and friendly relationships among experts and other participants.

## Course Outline

Module 1. Fundamentals of Road Safety Audit

Module 2. Road Safety Facilities

Module 3. Geometric Design of Highway Sections

Module 4. Intersection Design Elements

Module 5. RSA Guidelines and Procedures (Design/Plans/Pre-opening/Existing Road)

Module 6. Accident Analysis

Special Lecture: International Road Assessment Program (IRAP)

## Participation Fee

Php 12,000 per person, inclusive of training kit, course materials, certificate with holder, lunch, and snacks.

Please make checks payable to UP National Center for Transportation Studies Foundation, Inc. (UPNCTSFI).

## Minimum Degree Requirement

Bachelor's Degree.

# EMISSION INVENTORY FOR SMALLER CITIES



## UP National Center for Transportation Studies

University of the Philippines  
Diliman, Quezon City  
Tel. Nos. (0632)981-8500 loc 3552/929-0495  
Http://www.ncts.upd.edu.ph  
Email: [up.ncts@gmail.com](mailto:up.ncts@gmail.com)

# EMISSION INVENTORY FOR SMALLER CITIES

## Purpose and Objective

Upon completion of the 4-day course, participants contribute in the development, continuous refinement and regular updating of emission inventory of their city.

## Target Participants

The target participants of this training workshop are City technical officers coming from the following departments of the City Government:

- environment;
- transport;
- health;
- urban planning;
- industry;
- energy;
- agriculture;
- forestry;
- waste management; and
- sanitation.

## Objectives

At the end of the training, the participants will be able :

1. identify the emission sources (point, area, mobile sources) in their cities;
2. develop an understanding of how computation of emission loading from different sources is conducted; and
3. design a work plan for the establishment of emission inventories in their city.

## Course Outline

Module 1. Emission Inventory as a Foundation of Air Quality Management

Module 2. How to Identify Air Pollution Emission Sources: Point, Line (mobile), Area Sources

Module 3. Emissions Inventory of Point Sources

Module 4. Emissions Inventory of Area Sources

Module 5. Emissions Inventory of Mobile Sources

Module 6. QA/QC

Workshop: Emissions Inventory Work Plan

Presentation of EI Work Plan

## Participation Fee

Php 10,000 per person, inclusive of training kit, course materials, certificate with holder, lunch, and snacks.

Please make checks payable to UP National Center for Transportation Studies Foundation, Inc. (UPNCTSFI).

## Minimum Degree Requirement

Bachelor's Degree.

# ADVANCED TRAFFIC ADMINISTRATION COURSE



## UP National Center for Transportation Studies

University of the Philippines  
Diliman, Quezon City  
Tel. Nos. (0632)981-8500 loc 3552/929-0495  
Http://www.ncts.upd.edu.ph  
Email: [up.ncts@gmail.com](mailto:up.ncts@gmail.com)



# ADVANCED TRAFFIC ADMINISTRATION COURSE

## Rationale

Local Government Unit employees especially those in the City Planning and Development Office, Traffic Management Office and City Engineering Office are main target for this course. This training is the continuation of the Traffic Administration Course. This course gives an overview on land use and travel demand forecasting. This also includes introduction to trip generation and parking generation. Basics of public transport system analysis and planning is also presented touching base on route measured capacity. Project development cycle, evaluation process including financial, economic and environmental will be covered under transportation system evaluation. Traffic laws and regulations discussions will focus on RA 4136, local government ordinances and other economic and environmental regulations. Physical distribution and logistics will also be discussed in the course. Lastly, environmentally sustainable transportation system fundamentals and EST strategies and policies will be thoroughly discussed. A workshop will also be conducted to apply the EST concepts on identifying appropriate EST activities at the local level.

## Target Participants

Municipal/City planners, Municipal/City engineers, traffic engineers, transportation planners, local and national government personnel involved in transportation and related functions

## Objectives

At the end of the training, the participants will be able to :

1. To have an enhanced understanding of environmentally sustainable transportation (EST) and travel demand forecasting;
2. To identify appropriate EST applications at the local level;
3. To illustrate the significance of outputs and results of travel demand forecasting models in transportation planning ; and
4. To provide a mix of hands-on training, exercises and workshops to ensure a high level of retention.

## Course Outline

Module 1. Land Use and Travel Demand Forecasting

Module 2. Trip Generation and Parking Generation

Module 3. Public Transport System Analysis and Planning

Module 4. Transportation System Evaluation

Module 5. Transportation Laws and Regulations

Module 6. Introduction to Physical Distribution and Logistics

Module 7. Introduction to Environmentally Sustainable Transportation

Module 8. Environmentally Sustainable Transportation Strategies and Policies

Workshop – Applying the EST Strategies at the Local Level

## Participation Fee

Php 12,000 per person, inclusive of training kit, course materials, certificate with holder, lunch, and snacks.

Please make checks payable to UP National Center for Transportation Studies Foundation, Inc. (UPNCTSFI).

## Minimum Requirement

Attended the Traffic Administration Course or Regular Training Program of UP-NCTS.

# TRAFFIC MANAGEMENT COURSE FOR TRAFFIC LAW ENFORCERS (LEVEL II)



## UP National Center for Transportation Studies

University of the Philippines  
Diliman, Quezon City  
Tel. Nos. (0632)981-8500 loc. 3552/929-0495  
Http://www.ncts.upd.edu.ph  
Email: [up.ncts@gmail.com](mailto:up.ncts@gmail.com)

# TRAFFIC MANAGEMENT COURSE FOR TRAFFIC LAW ENFORCERS (LEVEL II)

## Rationale

This course provides training for personnel who are required to select and make minor modifications to existing traffic management plans/schemes and to conduct thorough traffic crash investigation and properly document findings for courtroom presentation.

## Target Participants

Traffic Law enforcers and private traffic crash investigators, engineers, attorneys, safety officers, local and national government personnel involved in traffic management.

## Objectives

At the end of the training, the participants will be able :

1. To become familiar with transportation and traffic issues relevant to local traffic context;
2. To enhance their knowledge and skills in planning, management, and administration of transportation programs; and
3. To establish professional and friendly relationships among experts and other participants.

## Course Outline

Module 1. Introduction to Transportation Planning

Module 2. Introduction to Traffic Engineering and Management

Module 3. Fundamentals of Traffic Impact Assessment

Module 4. Mobility Management

Module 5. Road Traffic Safety

Module 6. Introduction to Public Transportation Planning

Module 7. Data Collection and Management

Module 8. Institutional Framework

## Participation Fee

Php 12,000 per person, inclusive of training kit, course materials, certificate with holder, lunch, and snacks.

Please make checks payable to UP National Center for Transportation Studies Foundation, Inc. (UPNCTSFI).

## Minimum Degree Requirement

Attended the Traffic Management Course for Traffic Law Enforcers (Level I) or Regular Training Program of UP-NCTS.

# UP NCTS RESERVATION FORM

Training Title \_\_\_\_\_

Schedule \_\_\_\_\_ Amount \_\_\_\_\_

Please reserve slot (s) for:

Name	Designation
1.	
2.	
3.	
4.	
5.	

Reserved by \_\_\_\_\_

Designation \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

Telephone Numbers \_\_\_\_\_

Fax Number \_\_\_\_\_

Email Address \_\_\_\_\_

I understand that UP-NCTS reserves the right to push through or cancel the seminar depending on the number of participants. Thus, I will confirm attendance of the above participants a week before the seminar. I will also make a reservation deposit of Php1,000 per participant with check payable to: UP National Center for Transportation Studies Foundation, Inc. (UPNCTSFI). The deposit will be forfeited if the participants fail to show up. However, it will be refunded in full if UP-NCTS cancels the seminar.

\_\_\_\_\_  
Conforme

## UP National Center for Transportation Studies

University of the Philippines

Diliman, Quezon City

Tel. Nos. (0632)981-8500 loc 3552/929-0495

[Http://www.ncts.upd.edu.ph](http://www.ncts.upd.edu.ph) or

<https://www.facebook.com/upncts/>

Email: [up.ncts@gmail.com](mailto:up.ncts@gmail.com)