

# **Roads Advanced Study Course CESROUTE 2007 Program**

*link to 2007 ENPC International Seminars*

## **First module *Initiating and developing a shared culture* April 10<sup>th</sup> – June 1<sup>st</sup>, 2007**

### **April 10-13, 2007 Introduction week**

- Welcoming session
- Introduction and objectives of CESROUTE
- Institutional and technical visits (part 1)
- Choice and introduction of tutors

### **April 16-27, 2007 Project management**

- Evolutions and prospects in Public works and infrastructure markets, in Europe and in developing countries
- Main marketing analysis tools for infrastructure markets
- Methods of analysis of the different stakeholders' strategies
- Choice of a firm and role playing
- Information selection, construction of the market
- Marketing strategies
- Main methods and forecast tools
- Team management
- Management of complex relationship situations

### **April 30 – May 11, 2007 Environmental assessment studies**

- Basic definitions
- Application of the legal framework
- Site diagnosis
- Impact analysis
- Choice of significant aspects to focus on
- Contracting with the consultant

- The role of EAS in the analysis of technical alternatives
- Evaluation criteria and validation of EAS
- Introduction to the method of impact studies on the basis of African studies
- Role of donors, of NGO's and the Ministry of Environment
- EAS : a tool for identification and enhancement of the socio-economic specificities
- EAS : tool of knowledge and protection of the fauna and the flora
- GIS and teledetection
- Indicators and definition of useful criteria
- Following up the environmental studies and making an environmental appraisal

### **May 14-18, 2007 Visits and personal project**

- Personal projects appraisals
- Institutional and technical visits

### **May 21<sup>st</sup> – June 1<sup>st</sup>, 2007**

### **Traffic management and road operation – traffic engineering**

- Traffic engineering principles
- Data collection
- Traffic information
- Road operation in peripheral urban areas
- Roadsigns contribution
- Traffic engineering in inter-urban and urban areas
- Technical visit
- Assessment and diagnosis

**Cycle d'Etudes  
Supérieures Route -  
CESROUTE**

**ISTED – Institut des  
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**Second module**  
**September 17<sup>th</sup> – November 23<sup>th</sup>, 2007**  
**In-depth training, completion and presentation of the personal project**

**September 17-28, 2007**  
**Road maintenance and its management**

*Including participation to PIARC World Congress in Paris*

- Programming and execution
- Institutional organization
- Management of road maintenance
- Maintenance financing
- Softwares and road maintenance
- Technical visit

**October 1st – 12, 2007**  
**Project economic assessment**

- Theoretical framework
- Basics of private and public economic calculation
- Costs and benefits of a project in a global economic balance sheet
- Case study
- Opinion of international donors
- Economic evaluation and decision process

**October 16-20, 2006**  
*As preferred :*

**Computer tools and road management**

- Road management
- The data bank
- Assessment, choice of a policy, planning a road and a bridge network
- Use of a databank
- Data collection
- Computer management of a road network

or  
**Completion of the personal project**

**October 29-November 7, 2007**  
**Tailored program**

- Technical and institutional visits
- Meetings with tutors
- Completion of the personal project

**November 8 & 9, 2007**

**Presentation of the personal projects**

**November 12-23, 2007**  
**Road safety**

- Road safety concepts
- Action on road users
- Basic actions : diagnosis and evaluation
- Road safety and improvements
- Road safety management

**November 24, 2007 (afternoon)**  
**Training appraisal, and distribution of CESROUTE certificates**

*[link to 2007](#)*  
***ENPC International Seminars***

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