**HOW TO APPLY**

- **Application Dates**: March 6 – April 7, 2017.
- **Place Available**: 30
- **ECTS credits**: 3
- **Application form and documentation at**: [http://www.master-greendrive.eu](http://www.master-greendrive.eu)
- **Fees**: 650€ *(including social activities, food (breakfast & lunch) and accommodation)*
- **Other expenses** are the student’s own responsibility.

**ENTRANCE REQUIREMENTS**

3rd or 4th year Bachelor students & Master students in the following fields of study:

- Automotive Engineering
- Mechanical Engineering
- Aerospace Engineering
- Materials Engineering
- Electronics/ICT
- Electromechanical Engineering
- Electronics and Automation
- Industrial Technology
- Industrial Engineering
- Industrial Electrical Engineering

**Joint Master in Sustainable Automotive Engineering**

Programme developed by a consortium of 4 European partners in Belgium, France, Spain and United Kingdom and ITB, Indonesia
The aim of this course is to ENHANCE YOUR ENGINEERING COMPETENCIES for the automotive industry. You will study some of the innovative technologies in the areas of powertrain, NVH and dynamic of electric engine, vehicle dynamics, crashworthiness, and advanced manufacturing-DFMA which will be the key components of future vehicles.

**OBJECTIVES**

1. Powertrain technology influences energy consumption and offers greater control over internal and external safety.
2. Crashworthiness and manufacturing design represent an opportunity to reduce energy consumption and contribute to the vehicle’s safety occupant protection.
3. Vehicle dynamics related to vehicle performance to increase comfort and safety, and also reduce fuel consumption.

**LEARNING OUTCOMES**

The course will help you:

1. To improve your knowledge of advanced powertrain optimization and calibration / sustainable powertrains, system engineering, quality and system control, decision modeling and powertrain design, and powertrain controller.
2. To build the understanding of vehicle body structure and crashworthiness design.
3. To develop your knowledge of vehicle dynamics, suspension and steering system.
4. To enrich your knowledge related to design for manufacturing and assembly – DFMA in modern vehicle.

Three interlinked topics will be examined during this summer course:

1. **Powertrain Technology**
   - Influences energy consumption and offers greater control over internal and external safety.
2. **Crashworthiness and Manufacturing Design**
   - Represents an opportunity to reduce energy consumption and contribute to the vehicle’s safety occupant protection.
3. **Vehicle Dynamics**
   - Related to vehicle performance to increase comfort and safety, and also reduce fuel consumption.

The course will be held at
Institut Teknologi Bandung (ITB), Bandung, INDONESIA.
Participants will develop a project each week.
Classes will be given by experienced researchers and project managers working in these topics.

Appropriate balance between lectures, case studies and visits to industry and technological centers will give you a comprehensive overview of the expected engineering skills for the future.

More information:
www.master-greendrive.eu