

# Automobile Maintenance Inspection:Part2

& Syllabus Number

1K306

Special Subjects  
Elective 2 credit

KATO Akira

## 1. Course Description

Students will learn the following contents:

- (1) As a vehicle law, registration system, certification system, etc.
- (2) Inspection of vehicle inspection standards etc.
- (3) Body structure, various devices, lighting equipment, etc.

Although this lesson is mainly lecture form, practice paired work on exercise practice as appropriate and have you answer from you.

This lesson will acquire knowledge, techniques and attitudes on the DP2 and DP4 policy awards policy.

## 2. Course Objectives

By understanding the laws concerning automobile inspection and car maintenance, students can acquire basic skills and applied power on laws and regulations and explain the basic contents required for automobile engineers.

## 3. Grading Policy

Students will be evaluated by using the results of the 15th test (80%) and quiz (20%).

In addition, the answers will be explained after the test and quiz. An example of the answer is shown in LMS.

## 4. Textbook and Reference

Textbook

Supervised by the Ministry of Land, Infrastructure, Transport and Tourism Legal educational material

Japan Automobile Development Promotion Federation Federation, ISBN code not specified

## 5. Requirements(Assignments)

Read the class content posted on the LMS as preparation. Please read through the applicable range in the textbook and reference book, and understand the contents. In addition, since some homework such as assignment will be shown almost every time, please finish it by next lesson. Approximately 1 hour for preparation, 2 hours for assignment and review.

## 6. Note

Students are required to attend all lessons. Late arrival, leave early and absence are monitored.

Automotive maintenance & Inspection 2 is a ◆ mark of compulsory subjects of the Automobile Technology Course [AT course].

We will conduct quizzes in the 8th meeting and check the understanding level towards the middle of the course. In addition to using LMS as an independent learning support, we will implement the Mobile-MARS test and questionnaire function as an interactive class as appropriate.

## 7. Schedule

- [1] Road Trucking Vehicle General Law, Registering a Car  
Preliminary study: Read through textbook P 9 ~ 22, read commentary and understand legal sentence.  
Review: Solving exercises in the scope of lecture P 23 to understand legal sentences again.
- [2] Safety standards of road transport vehicles, such as registration of automobiles  
Preliminary study: Read through the textbook P23 - 35, read the commentary and understand the legend.  
Review: Solving exercises in the scope of lecture Solve P32 and understand legal sentences again.
- [3] Inspection and maintenance of road transport vehicles, inspection of road transport vehicles, etc.  
Preparation: Read through the textbooks P35 - 51, read the commentary and understand the legend.  
Review: Practice problems in the lecture range Solve P41, P52 and understand legal sentences again.
- [4] Automobile maintenance business, miscellaneous regulations  
Preliminary study: Read through the textbooks P 53 - 63, read the commentary and understand the legend.  
Review: Solving exercises in the scope of lecture Solve P64 and understand legal sentences again.
- [5] Automobile inspection standard (excerpt)  
Prepare: Read through the textbooks P71 - 85, read the commentary and understand the legend.  
Review: Please understand the legal sentence again, including the appendix of the scope of the lecture.

- [6] Summary of the Road Trucking Vehicle Act and Quiz  
Preliminary examination: Please read the textbook P 9 ~ 85, read the commentary and understand the legend.  
Review: to understand the legal sentence by solving the problem given to the quiz.
- [7] General rules of safety standards for road transport vehicles, vehicle safety standards  
Preparation: Read through the textbook P 87 - 94, read the commentary and understand the legend.  
Review: Solving exercises in the scope of lecture Solve P.94 and understand legal sentences again.
- [8] Security standard for road transport vehicles Prime mover and power transmission device  
Prepare: Read through the textbooks P94 to 110, read the commentary and understand the legend.  
Review: Read the explanation of the scope of the lecture and understand the law again.
- [9] Safety standard electrical equipment for road transport vehicles  
Preparation: Read through the textbooks P111 - 121, read the commentary and understand the legend.  
Review: Read the explanation of the scope of the lecture and understand the law again.
- [10] Security standard ride equipment for road transport vehicles  
Preparation: Read through the textbook P 122 - 135, read the commentary and understand the legend.  
Review: To solve problem P135 in the scope of lecture and understand legal sentence again.
- [11] Safety standard for road transport vehicles Noise prevention device  
Preparation: Read through the textbooks P135 to 157, read the commentary and understand the legend.  
Review: Solving exercise range lecture range P143 to understand legal sentence again.
- [12] Safety standard number light for road transport vehicles  
Preparation: Read through the textbooks P158 - 183, read the commentary and understand the legend.  
Review: Solving exercises in the scope of lecture Solve P184 and understand legal sentences again.
- [13] Safety standard for road transport vehicles Horns  
Preparation: Read through the textbooks P185 - 197, read the commentary and understand the legend.  
Review: Solving exercises in the scope of lecture Solve P197 and understand legal sentences again.
- [14] Automobile NOx · PM method  
Preparation: Read through the textbooks P198 - 207, read the commentary and understand the legend.  
Review: Read the explanation of the scope of the lecture and understand the law again.
- [15] Test, summary