

## Vehicle Structures(2.0 credits)

Code	: 10256	
Course Type	: Specialized Courses	
Class Format	: Lecture	
Course Name	: Automotive Engineering	Automotive Engineering
Starts 1	: 2 Spring Semester	2 Spring Semester
Elective/Compulsory	: Compulsory	Compulsory
Lecturer	: Part-time Faculty Professor	

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### •Course Purpose

In this course, students will learn about vehicle structures. The purpose of the course is to develop an understanding of the structure and mechanism of vehicle body, chassis, and power train.

### •Prerequisite Subjects

Thermodynamics

### •Course Topics

#### 1. Design and Body

\*Product Planning

\*Body

\*Equipment

#### 2. Chassis

\*Suspension

\*Steering

\*Brake

#### 3. Power Train

\*Engine

\*Electric Propulsion

\*Drive Train

### •Textbook

Printed handouts will be provided.

### •Additional Reading

Automotive Engineering Fundamentals, SAE

### •Grade Assessment

Grades will be based on class participation, assignments and reports.

30% for attendance

30% for assignments

40% for final report

### •Notes

### •Contacting Faculty

Students can ask questions at any time during classes.

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