

# TEMPLATE FOR COURSE SPECIFICATION

## HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

### COURSE SPECIFICATION

This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programme specification.

1. Teaching Institution	Middle technical University
2. University Department/Centre	Machinery and equipment /cars
3. Course title/code	Car mechanic
4. Programme(s) to which it contributes	Department
5. Modes of Attendance offered	Attend weekly
6. Semester/Year	Year
7. Number of hours tuition (total)	3 theory *30 weeks=90 hours faculty
8. Date of production/revision of this specification	12/11/2016
9. Aims of the Course	
	Introduce students to the car parts and ways assembled
	To diagnose faults.
	Repaired different cars
	Resolve all the problems faced by in his career.

10. Learning Outcomes, Teaching ,Learning and Assessment Method

A- Knowledge and Understanding

A1.To provide student with information theory and laboratory for cars

A2.

A3.

A4.

A5.

A6 .

B. Subject-specific skills

B1.The ability to deliver information through a good presentation

B2.

B3.

Teaching and Learning Methods

Prepare student to enable them to manage service station.

Assessment methods

C. Thinking Skills

C1.Dealing with teaching aids..

C3.

C4.

Teaching and Learning Methods

Application lectures

Assessment methods

Calendar before and after



**D. General and Transferable Skills (other skills relevant to employability and personal development)**

D1.Enable the student to translate the theoretical and practical information and use it in every day life.

D2.

D3.

D4.

11. Course Structure					
Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	3	The student understand the lesson	Automotive performance ,The total resistance affecting car motion	Building abilities	Theoretical
2	=	=	Traction effort	=	=
3-4	=	=	Surplus effort examples		Theoretical
5-6	=	=	Gears, Types gearing system ,motion between two gear ,select the best ratio .rear axle ratio, overall ratio examples	=	=
7	=	=	Bearing types ,Calculation and design of sliding bearing.	=	=
8	=	=	Shafts, types ,calculation and design of the shafts.	=	=
9-10-11	=	=	Clutch ,types ,design ,power transmitted ,calculation.	=	=
2-13-14-15	=	=	Belts ,types .system types ,calculation of power transmitted from flat and V type.	=	=

16-17-18-19-20	=	=	Brakes ,types system function, calculation of stopping distance ,declaration ,load transfer during brake ,braking force on front and rear wheel ,wheel piston diameter ,all these calculation based on disc and shoes brake type.	=	=
21-22	=	=	Suspension system types, advantages and disadvantages ,calculation of leaf and coil spring.	=	=
23-24	=	=	Steering system, calculation, types.	=	=
25-26	=	=	Overturning and slid speed.	=	=
27	=	=	Piston, types, calculation of thermal and tensile stress.	=	=
28	=	=	Crankshaft ,types ,calculation of thermal and tensile stress.	=	=
<b>29-30</b>	=	=	Study of various design car system(car with front engine mounted and rear wheel drive)and in reverse.	=	=

12. Infrastructure					
Required reading: · CORE TEXTS · COURSE MATERIALS · OTHER			· There is no		
Special requirements (include for example workshops, periodicals, IT software, websites)			Automobile Engineering. Automotive mechanics/William h .crouse		
Community-based facilities (include for example, guest Lectures , internship , field studies)			Motor trend.utomobile magazine. Science directe. Automotive Electronic systems.		

13. Admissions	
Pre-requisites	Automotive division seek to develop curricula periodically where the percentage added 10% change vocabulary and building an effective service take into account modern development.
Minimum number of students	80 students
Maximum number of students	100 student

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