

LEVEL 5 ASSESSMENT SPECIFICATION

Student name:		Student ID number:	
Programme:	BA/MDes Automotive & Transport Design		
Module:	Vehicle Technology		
Module code:	M5X01364	Contribution to Overall Module Assessment (%):	CW1 - 50%
Lecturer:	Paul Morrow	Internal Verifier:	SGF
Assignment Title:	Drive Train and Suspension	Word count (or equivalent):	3000 word Equivalence
Submission deadline:	By 12:30 on 14.01.2019	Return date of provisional marks & written feedback:	11.02.2019
Submission method:	All written assessments, where practical and possible, must be submitted via Turnitin unless otherwise instructed by the Lecturer. (Please DO NOT put this assessment specification into Turnitin or it will match many similarities with other students' submissions.) Alternative submission method (if applicable): Late submission of the assessment will result in a late penalty mark. Penalties for late submission: Up to one week late, maximum mark of 40%. Over one week late, 0%. Only the Extenuating Circumstances Panel may approve a change to submission dates.		
Academic honesty / referencing:	Academic honesty is required. In the main body of your submission you must give credit to authors on whose research and ideas your work is based. Append to your submission a reference list that indicates the books, articles, etc. that you have used, cited or quoted in order to complete this assessment.		

Module Learning Outcomes (from module syllabus)

1. Understand the design, operation and behavioural characteristics of a range of automotive drive-train and suspension technologies.

TASK DESCRIPTION

As you've realised during the design development of vehicles, it is very fiddly to determine the propulsion and suspension systems to suit the innovative vehicles or transport scenarios. Your task is to describe your chosen engine/propulsion method, fuel type, final drive, suspension & steering method for one of your projects in your 'Concept Studies' or 'Professional Practice' modules. Your task is to produce an A3 illustration/diagram/scale package drawing supported by text (embedded or on separate A4) to explain your choice of drive train and suspension. Think of this as a technical board to support one of your projects.

Most areas have been covered in the lessons – you may need to do further research to find appropriate solutions.

Deliverables:

1. Printed A3 Presentation Board & A4 Supporting Text (may be combined)
2. Digital submission of the above in PDF format.

Describing the choice of vehicle 'drivetrain' technologies in terms of sustainability, cost, efficiency & environmental impact.

Note: Don't forget to title & put your name on the boards.

Submission:

All work to be submitted for final assessment on **Mon 14.01.19**, Please hand in printed & digital work in **AAG06 by 12:30** please get there between 11:00 and 12:20 to load your digital copy before the deadline. Please label your digital hand-in: **VT1 – Surname, Initial**

Feedback:

You will be provided with written 'Summative' (marks) feedback and the opportunity to discuss your performance in a studio tutorial on or before the feedback date 11.02.19.

Assessment Criteria:

The project will be assessed in relation to the specific deliverables as follows: - LO1 Will be assessed using the common assessment & marking criteria 1,2,3,4 & 5
(All criteria are individually weighted as follows).

1. Engagement with Literature - ***Evidence of Research*** - 15%
2. Knowledge and Understanding - ***Critical Knowledge of the subject*** - 20%
3. Cognitive and Intellectual Skills - ***The Design Solutions*** - 25%
4. Practical Skills - ***Visualisation & Communication*** - 20%
5. Transferable Skills for Life and Professional Practice - ***Self-Direction & Professionalism*** - 20%

