

LEVEL 5 ASSESSMENT SPECIFICATION

Student name:		Student ID number:	
Programme:	BA/MDes Transport Design		
Module:	Advanced 3D CAD		
Module code:	M5X01237	Contribution to Overall Module Assessment (%):	CW1 - 50%
Lecturer:	P Morrow	Internal Verifier:	S Fontanarosa
Assignment Title:	Solid Model	Word count (or equivalent):	4 Elements / 3000 word Equivalence
Submission deadline:	By 13:00 on 22.01.19	Return date of provisional marks & written feedback:	19.02.19
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. Use advanced 3D solid modelling tools to create realistic design solutions within a structured modelling workflow;
2. Use advanced 3D surface modelling tools to create realistic design solutions within a structured modelling workflow;
3. Understand Rapid Prototyping data protocols;

TASK DESCRIPTION

Complete given exercises in Fusion 360 and Produce a wheel design (or other component subject to approval) using solid modelling software, showing understanding of the protocols for 3D printing. Also use Fusion 360 to experiment to assist/support your design projects.

Assessment (CW1): 50% - Produce a quality Solid model using Fusion 360. Plus exercises and experimentation.

Deliverables:

1. A3 Jpeg image/images of your final visualised 3D CAD model.
2. Digital submission of the Final Fusion 360 model file.
3. Digital submission of completed Exercises & Experimentation.

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

Assessment Criteria: The task will be assessed in relation to the specific deliverables as follows:
LO1 & LO3 Will be assessed using the common assessment & marking criteria 2, 4 & 5:

2. Knowledge and Understanding - ***Interpretation of the design & 3D Printing integrity.*** - 35%
4. Practical Skills - ***Exercises & Application and use of 3D solid modelling tools*** - 35%
5. Transferable Skills for Life and Professional Practice - ***Visualisation & Professionalism*** - 30%

Submission:

All work to be submitted for final assessment on **Tue 22.01.19**. Please hand in digital work in **AA203 by 13:00** please get there between 11:00 and 12:50 to load your digital copy before the deadline. Please label a digital folder and name it: **CAD-CW1 – Surname, Initial**. Please place all of your files in this folder.

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 of **19.02.19**.