**10-Week Plan (Year 11)**

Department: Engineering Design

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Teaching and Learning** | **Assessment** | **Independent work** |
| **W.c. Mon 21 Feb** | * The use of ICT software to produce, modify and enrich design proposals
* Introduction of learning outcome 2
 | * Deadline for R107 LO1
 | * Continuation of coursework
 |
| **W.c. Mon 28 Feb** | * Isometric and oblique, exploded views, assembly drawings of developed design idea
 |  | * Continuation of coursework
 |
| **W.c. Mon 7 Mar** | * 3rd angle orthographic, scale, dimensions, materials, parts lists, sectioned of developed design idea
* Labelling and annotations
 | * Deadline for R107 LO2
 | * Continuation of coursework
 |
| **W.c. Mon 14 Mar** | * Introduction of learning outcome 3
* 3D shapes and rendering using sketchup, tinkercad or fusion (application to coursework unit)
 |  | * Continuation of coursework
 |
| **W.c. Mon 21 Mar** | * Introduction of learning outcome 3
* 3D shapes and rendering using sketchup, tinkercad or fusion (application to coursework unit)
 |  | * Continuation of coursework
 |
| **W.c. Mon 28 Mar** | * Assembly and animation sketchup, tinkercad or fusion (application to coursework unit)
 |  | * Continuation of coursework
 |
| **Easter** |
| **W.c. Mon 18 Apr** | * Assembly and animation sketchup, tinkercad or fusion (application to coursework unit)
 |  | * Continuation of coursework
 |
| **W.c. Mon 25 Apr** | * Final improvements to R107
 | * Deadline for R107 LO3
 | * Continuation of coursework
 |
| **W.c. Mon 2 May** | * R105 Learning outcome 1 – the design cycle - identify and design.
* R105 Learning outcome 1 – the design cycle – optimize and validate
 | * R105 past exam questions on learning outcome 1
 | * Revision on the design cycle
 |
| **W.c. Mon 9 May** | * R105 Learning outcome 2 – requirements of a design specification
 | * R105 past exam questions on learning outcome 2
 | * Revision of specification requirements
 |
| **W.c. Mon 16 May** | Engineering Exam (re takes only) |  |  |