

## B. TAFE NSW implementation requirements

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### 8. Student Assessment Information:

You will achieve the module purpose and pass the module if you show you have demonstrated appropriate knowledge and skills. This is demonstrated by attaining a total mark of 50% or more of the combined results of all assessment events. Graded modules allow you to demonstrate greater breadth and depth than a pass, and this will be reported as a higher grade.

#### Summary of Content:

- Section 1: Coupling Methods in Multistage Amplifiers  
 capacitance  
 transformer  
 direct  
 characteristics of each method  
 frequency response  
 stage gain
- Section 2: Negative feedback  
 general schematic noting sampling and summing networks  
 voltage shunt feedback  
 voltage series feedback  
 current shunt feedback  
 current series feedback  
 effect of negative feedback on amplifier parameters  
 gain  
 bandwidth  
 distortion  
 input/output resistance
- Section 3: Power amplifiers principles  
 classes of amplification  
 conduction angle  
 efficiency
- Section 4: Transformer coupled power amplifiers  
 circuit schematics  
 class A  
 class B  
 reflected resistance  
 efficiency  
 bias requirements  
 thermal stability  
 quasi complimentary  
 circuit schematics  
 class B  
 class AB  
 efficiency  
 bias requirements  
 cross over distortion  
 thermal stability  
 DC balance