

UNIVERSITY OF CUMBRIA
COURSEWORK REASSESSMENT REQUIREMENT

Module Code: HSOF6013

Module Title: Forest Carbon Management

Tutor: Andrew Leslie

Title of the item of work: Scientific Report (50%)

Wordage: 2000 words equivalent

Your reassessment is due to non submission by the original due date. Therefore your task is the same as the original submission

This scientific report should be 2000 words (+ or - 10%) and represents 50% of the module marks.

Learning Outcomes Covered

4.Undertake a baseline survey to quantify the carbon stocks (soil and biomass) in a forest stand

5.Critically evaluate a range of potential mitigation options to maximise carbon sequestration, storage and substitution and assess how to incorporate these into forest management plans.

Task Outline (include performance criteria where appropriate)

This submission should follow the format of an experimental report and include an Introduction, Methods, Results, Discussion and Conclusion sections.

The Methods section should include:

- A brief explanation of the field methods you have used to estimate the stand volume.
- The application of wood density and biomass expansion factors to determine total tree biomass.
- The conversion of tree biomass to mass of carbon.
- A description and justification for the soil carbon figure you have found in the literature and adopted.

The Results section should summarise your findings, what is the carbon (tons carbon and tons CO₂ equivalent) locked in the trees, what is the carbon in the soil and what is the total carbon per hectare and in the stand as a whole?.

The Discussion should include a comparison of your findings with those of others, their implications and critique the method you have used. Describe how the results could be of use to forest managers.

Place raw data, such as that from your forest inventory into an appendix.

Use maps, photos, figures and tables as appropriate.

The report should be properly referenced using the Harvard System.

You will be assessed on:

The relevance of your answer; the knowledge base that you present; the analysis and argument that you present; the structure and originality of your work; the standard of presentation of your work.

70%+ - Scientific report with well written content and appropriate, figures and tables. Replicable descriptions of methods and scientific presentation of results. Correct scientific referencing.

60%+ – Good quality report in scientific format. Clear methods and results. Correct scientific referencing.

50%+ – Reasonable report. Methods and results adequate. Correct scientific referencing.

40%+ - Adequate report. Methods and Results included. Citations present, but style of citing and referencing may be inconsistent.

<39% Fail – Poor quality report, lacking clarity. Methods unclear, Results inappropriately presented. Gaps in citing and referencing.

**SUBMISSION DATE AS PER STUDENT PORTAL AND ACADEMIC
TRANSCRIPT**

To be submitted by **4.00pm** on **12/08/2022** through Turnitin