# FOR 373 Assignment 8 [60 points] Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Section: Mon / Wed

This assignment should be completed and handed in by noon on Friday November 22nd.

**Topic:** Variable Radius Sampling

**Objective:** Write an essay detailing the issues that led to the development of variable radius sampling within foresty and how it has been advanced by adopting double sampling approaches.

**Essay Instructions:**

This essay should be **typed** and should be at least the equivalent of **3 pages using 1.5 line spacing and Times New Roman 12pt font**. Tables and figures are encouraged if needed, but will not count toward paper length and should be placed at the end of the paper with approapriate in text reference. Please cite any reproduced figures accordingly from the literature.

This essay should include the following elements:

1. **Title**
   * **Use this title:** “Development of Variable Radius Sampling in Forestry”
2. **Introduction**
   * The introduction should be 2-3 paragraphs of 5-6 sentences each. Were you should give details of people and events that were important in the development of variable radius sampling. Your last paragraph should include an outline to the sections of your essay.
3. **Principals and Advancement**
   * This section should be at least 4-5 paragraphs. Use this section to provide a detailed description of the geometric principals used in variable radius sampling. Use figures to illustrate common factors such as BAF. This section should include a review of literature that details and compares several ways that double sampling techniques have been used within variable radius sampling. This review of literature should include information from at least 5 book or journal sources, with appropriate intext citation. Wikipedia does not count towards this number and will not count as a source.
4. **Conclusions**
   * This section can be 1-2 paragraphs. In your own words evaluate and summarize the main points of your essay.
5. **Literature Cited**
   * At the end of the document use the following citation conventions:
     1. ***Peer-reviewed Journals (multiple authors):*** Carrot, Y.H., Turnip, J.U.H. and Tomato, A.T. (2010). Spectral analysis of mixed vegetables in pies,I*nternational Journal of Vegetable Science,* 19, 976-983.
     2. ***Peer-reviewed Journals (two authors):*** Carrot, Y.H. and Turnip, J.U.H (2005), Soup mixes: a comprehensive review, International Journal of Soup Science, 14, 245-248.
     3. ***Peer-reviewed Journals (single author):*** Carrot, Y.H. (2005), The role of carrots in the vegetable word, International Journal of Carrots, 14, 245-248.
     4. ***Books / Book Chapters:*** Carrot, Y.H. and Turnip, J.U.H**.** (2001)The use of potatoes in soup: a review, in "*Soups of the World*”, Ed. Fried Potatoes, *Wiley-Blackwell*, pp 67-79.
     5. ***Agency Reports:*** Carrot, Y.H., Turnip, J.U.H. and Tomato, A.T. (2010). Review of soup quality standards within the National Park Services' cafeterias, NPS report, USA, pp 46
     6. ***Websites:*** Carrot Soup Recipes (2011), Last Accessed 1st January 2011, http://www.101cookbooks.com/archives/carrot-soup-recipe.html
   * In the text, use the following citation conventions:
     1. Carrot (2002)
     2. Carrot et al., (2002)
     3. Carrot and Potato (2002)

**Grading Rubric:**

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| --- | --- | --- | --- | --- |
|  | **Available**  **Points** | **Expectations** | | |
| **Below** | **Fair/Meets** | **Above** |
| **Introduction** | 15 | 0-8 | 8-15 | +5 Extra Credit |
| **Principals and Advancement** | 15 | 0-8 | 8-15 | +5 Extra Credit |
| **Conclusion** | 10 | 0-5 | 5-10 | +5 Extra Credit |
| **Literature Cited and References** | 10 | 0-5 | 5-10 | +5 Extra Credit |
| **Technical Writing** | 10 | 0-5 | 5-10 | +5 Extra Credit |

**Code of Conduct:**

Do not copy and paste material from papers or books when writing this essay. Doing so will result in a score of **0** and will cause you to be reported to the Dean of Students.