Your Final Group Paper should be based on work that one or more of your team members have either completed in a previous quarter or are currently completing now. The paper should be on a scientific or engineering topic.

You will collaborate in teams of up to four authors to produce a scientific paper that would meet all of the IEEE double-column submission guidelines. Included at the end of this homework assignment are links to the IEEE style guide, as well as the STREAM Tools template, for formatting your group paper.

The target audience of your paper should be technically minded readers who are **not** immediately familiar with your topic, but are curious to learn more. In other words, your paper should clearly define your terminology. Moreover, your paper should use clear language that the target audience can understand.

**Note: Team leaders should submit both a .doc version and a .pdf version of your final paper.**

A good paper will:

* Meet all of the formatting requirements of STREAM Tools templates, including cross-referencing
* Be formatted perfectly to meet IEEE double-column paper rules and regulations
* Include all of the required elements of an IEEE double-column paper (e.g., authors, abstract, keywords, introduction, etc.)
* Be grammatically correct
* Cover all of the elements of good scientific writing, including using concise and precise language
* Include and reference at least 10 academic sources

Your paper should be at least 4 pages long, yet not exceed 6 pages in length. Specific font choices and margin sizes should agree with standard IEEE double-column guidelines and regulations.

This assignment is due on Monday, June 2nd, 2014, at 12 p.m. by electronic submission. Clearly late submissions will receive points off as per the instructions outlined on the syllabus. Proper submissions will include both a .doc file and a .pdf file. No assignments submitted through e-mail or as a hard copy will be accepted.

Each submission should include up to four authors. Be sure to elect one member as a “team leader” whose responsibility will be to submit the homework assignment on time for the entire group. Only one submission will be graded per group, and all group members will share the same grade for this assignment.

**Additional Resources:**

[STREAM Tools template](https://catalyst.uw.edu/workspace/file/download/751d814d0c0b6b1b9fd38b50790d324ce113964b2f325deab0a5f9a600554874)

[IEEE Template](http://www.ieee.org/documents/trans_jour.docx)

*Please note that the best submissions will receive participation tickets.*

The following rubric will be used to grade the final group assignment:

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| --- | --- |
| Were both files submitted on time? (a .doc and a .pdf version) | out of 5 points |
| Is the paper of the right length? (4-6 pages long) | out of 5 points |
| Is the paper written for the right target audience? | out of 5 points |
| Does the paper use and reference at least 10 academic sources? | out of 5 points |
| Does the paper meet IEEE’s double-column requirements and formatting? | out of 10 points |
| Does the paper meet proper STREAM Tools template requirements? (e.g., cross-referencing) | out of 10 points |
| Is the paper free of grammatical and punctuation-based errors? | out of 10 points |
| Does the paper use all of the elements of good scientific writing covered throughout the course? (E.g., using clear, concise, precise, forthright, familiar, and fluid language) | out of 15 points |
| Does the paper include all of the required components of an IEEE paper? (e.g., authors, abstract, keywords, introduction, etc.) | out of 15 points |
| Is the paper scientifically accurate? Does it make good arguments, and/or use detailed explanations, and/or clearly explain the work that was completed? | out of 20 points |
|  |  |
| **Total Grade:** | **out of 100 points** |