

ECE 5564: Wearable and Ubiquitous Computing  
Spring 2005  
Research report

Each student is required to write a report on some aspect of wearable computing for the course. The quality and originality of the content, and the clarity, effectiveness, and professionalism of the writing will be the major factors in determining your grade. Spelling, grammar, and punctuation errors will lower your grade.

The report should be prepared as if it were being submitted to a professional journal. As such, it should include an abstract, an introduction including background material and the scope of your work, a discussion of the major results, conclusions, and references. Depending upon the nature of your topic, other sections (such as results and appendices) may be necessary.

Reports should be 7-8 pages long, using 11 point font, 1 inch page margins, and single-spaced.

The words and ideas of others should always be properly cited. Anything less is plagiarism and will be treated as an honor code violation. References should be in standard IEEE format, and should include at least one journal reference, one conference reference, and one Web reference.

Please choose a project topic and submit a short (1-2 paragraph) proposal describing the topic and scope for my approval. I may require you to submit a revised proposal if the topic or scope of your initial proposal is inappropriate.

Examples of topics:

1. Using video for context/location awareness
2. Monitoring hand/finger motion
3. Medical/industrial/entertainment applications of wearable computing
4. Security/privacy issues of wearable/ubiquitous computing

Topics that we will not be covering in the course or that we will only be touching upon briefly, are perfect subjects for a research report.

I expect that most of the papers will compare and contrast the results of several publications in a given area, essentially a brief critical survey of the area. I would like to re-use these in later offerings of the course as introductions to an area for students. If you would like to implement a technique described in a paper and improve upon it in some way, that is also acceptable as long as the scope is suitable for the time frame of the assignment.

**Important dates:**

- February 8: Report assigned
- February 15: Initial topic due
- February 22: Final topic due (if requested)
- April 14: Paper due.