Guidelines for MATH 492 Projects

In the 492 projects, you are requested to summarize a mathematical paper in a document of about 6-10 pages written in electronic format (WORD, Tex, LateX are acceptable formats). You are also required to present the paper in class in a short 20 minutes presentation + 5 minutes for questions using transparencies. The projects will be evaluated according to the following criteria.

1. Level of understanding of the paper.
2. Personal contribution for instance in terms of observations, illustrative examples, connections made with other problems and ideas in mathematics.
3. Clarity of written presentation (Present the material so that both the other students and the teacher are able to understand the main ideas)
4. Clarity of the oral presentation.

A possible Layout for the report is as follow

1. **Abstract**: One or two paragraphs describing the subject of the paper and the main message.
2. **Introduction** An introduction to the necessary background and the topic of the paper.
3. **Main Results** Description of the main theorems.
4. **Discussion and Examples** Discuss the results by using examples.
5. **Conclusions** Summarize again the main ideas of the paper. Possibly indicate open problems, future directions etc.