McGill University
Department of Electrical and Computer Eng.

ECSE-620 Information Theory and Coding

Prof. H. Leib

PROJECT GUIDELINES

The project is a well-written comprehensive paper on a topic in the area of Information Theory of interest to the student, subject to the agreement of the course instructor. The paper must emphasize the subject of Information Theory. The students are encouraged to consult the course instructor before selecting the topic. The final paper should consist of approximately 20-25 double spaced typed pages excluding figures. The paper must contain a literature survey based on 4-6 journal papers. The literature survey must present a good picture of the status of the research related to the project subject. The project *could* include also computer simulation results, if the author chooses to do so. In this case a description of the simulation set up and the simulation software should be included with the paper. The students are encouraged to consult with the course instructor during the work on the project.

The project will be marked according to the following scheme :

        Abstract 10 %

        Literature survey 30 %

        Understanding of fundamentals and application of concepts 30 %

        Novelty and creativity 15 %

        Paper organization and presentation 15 %

MILESTONES

January 30, 2014 :   Submission of title and abstract (300 words) . The abstract must include a description of the project, the tools planed to be used (computer simulations, software packages etc.), and a list of references (journal papers and books), which the author plans to use for the project. The agreement of the instructor will be based on this abstract.

April 10, 2014 :   Submission of final paper in hard copy form. Due to the fact that this is a course without a final exam, the final marks have to be submitted early. In order to ensure adequate time to read all the reports, this will be a strict deadline. The submission of the final paper will be in the lecture room, at the end of the lecture.