The final grade for the course will be based on the three homework problem sets (67%) and a seminar project (33%). This seminar project will involve both an oral presentation and a written report. The oral presentation is required, but only the written report will be graded.

Topics should in some way extend, apply, complement or illustrate material covered in the course. The level of the oral presentation should be accessible to the other students attending the lectures. Oral presentations will be approximately 20 minutes in duration, and will be scheduled during the last week of lectures.

**Written report**

The report should be prepared in \LaTeX, or some other typesetting package. The preferred length is 15–25 pages. Equations, figures, title page, acknowledgements, references, etc. should follow traditional formats for mathematical articles.

Original mathematical results are not required, but the report must be original in its presentation of the results. For example, the report may draw from more than one source and make critical comparisons between them, or may present a new application or example, or consider a classical result from a new perspective, or independently verify published results (e.g. numerical results, or theorems and similar claims that are not proved in detail in the sources).

The written report will be evaluated as follows:

- **MATHEMATICS** – content, accuracy, depth, significance 40%
- **PRESENTATION** – clarity, organization, figures, references 30%
- **ORIGINALITY** – understanding, insight, independence, novelty 30%