

SEMINAR REQUIREMENTS

The requirements consist of preparing one hand-out and giving a talk as follows.

CHOICE OF SUBJECT AND MEETINGS

- (1) Each group of two students chooses a subject from the given list or proposes a subject that must be first approved.
- (2) Each group has to give in a hand-out and present two main theorems on the subject. This must be discussed with the assistant.
- (3) Choice of the subject has to be communicated to Prof. Viada and the assistant by March 8. For the first two groups, we shall decide this on February 26.
- (4) The groups have to meet and discuss with the assistant according to the official schedule.

HANDOUT

The handout should be a teXed PDF file and be organized as follows:

- (1) An abstract; 5-10 lines that sum up in a few words the subject.
- (2) An introduction; 1-2 pages that put the subject into a context and state the main results.
- (3) A main section; 4-6 pages that give all the necessary definitions and propositions, state the two main theorems and give completely self-contained proofs. All the proofs have to be worked out, well formulated and well structured. Every detail about both theorems has to be understood by both members of the group.
- (4) A section of significant examples and/or applications; 1-3 pages.
- (5) A section of exercises; 1-2 pages where you list the exercises you would give to students when explaining the subject.
- (6) A section of references; every thing that has been used such as books, articles, webpages has to be properly cited. Theorems from the web could contain mistakes: you are responsible for the correctness of your proofs.

GIVE A TALK

The talk shall take 35-40 minutes for each student.

- (1) The first speaker gives an introduction and proves the first main theorem. Then he gives some examples and applications.
- (2) The second speaker proves the second main theorem and gives examples and applications. Then he explains the choice of exercises and gives an overview of the references.
- (3) Questions can be posed during and after the talk.
- (4) Both students must be able to answer questions on the complete subject.

DEADLINES AND CREDIT POINTS

All deadlines fixed in the official schedule are mandatory and cannot be postponed. The handout in final version has to be given in at least 10 days before the date of the talk. To get permission to present the talk, the handout must receive a sufficient grade. To obtain credit points, the handout, talk and answers to questions must all get a sufficient grade.