

Injective Choice Functions

Math 793H

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Text:

MICHAEL HOLZ, KLAUS-PETER PODEWSKI, KARSTEN STEFFENS, Injective Choice Functions, Springer, ISBN: 978-3-540-17221-5

Prerequisites:

I will assume that the students have experience with proofs involving Zorn's Lemma. Any of the following courses should be sufficient in providing such experience:

- Combinatorial Analysis (Math 571) Spring 2015
- Modern Algebra (Math 641)
- Set Theory and Applications (Math 683)

Grading:

The course grade will be determined by the midterm test (100 points) and the comprehensive final exam (200 points). The course score will be the maximum of the following two values:

- the midterm score plus the final score.
- the final score multiplied by 1.5.

85% of the course score suffices for A and 70% for B.

Homework:

Homework will be assigned and discussed in class. It will not be graded. However, the homework problems may be included in the midterm test and the final exam.