

Session 04-06 - Mock Exam 04

Section 04: Advanced Functions

Dr. Nikolai Heinrichs & Dr. Tobias Vlček

Welcome

Mock Exam Overview

Today's Session

Mock Exam 04

- Format: 90 minutes, 50 points covering Section 04 and before
- Structure: 3 comprehensive problems with progressive difficulty
- Focus: Advanced functions and their applications
- Permitted aids: non-programmable calculator, drawing instruments

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Tip

- Problem 1 (Exponential Growth Model): ~35 minutes
- Problem 2 (Function Transformation & Analysis): ~35 minutes
- Problem 3 (Trigonometric Functions): ~20 minutes
- Secure foundation points first, then tackle challenging parts

Success Strategies

Final reminders

- Read carefully: Every word and number matters
- Show all work: Partial credit is available for clear methodology
- Label everything: Variables, units, and graph features
- Check domains: Especially for logarithmic and rational functions
- Verify solutions: Substitute back when possible

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Remember

This exam tests your mastery of exponential, logarithmic, trigonometric, and rational functions. Apply the systematic methods we've practiced!

Coffee Break - 15 Minutes

Homework Presentations

Solutions from Tasks 04-05

20 minutes - discussion and questions

Next Session

Next Session Preview

Session 05-01: Introduction to Limits

- Discuss Mock Exam 04 solutions
- Address any remaining Section 04 questions
- Introduction to the concept of limits
- Limit notation and evaluation
- Preparation for derivatives

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! Important

- Review problems that challenged you
- Complete any remaining Section 04 tasks
- Prepare questions for next session