COMPUTATIONAL BIOMATERIALS AND BIOMECHANICS VU HOMEWORK ASSIGNMENT WS2023

Notes for elaboration

- We suggest the use of MATLAB™ to solve the homework assignment. However, you are free to use comparable software as well.

- The scientific report should at least contain the following sections respectively answer these questions:

  - Cover sheet

  - Table of contents

  - Introduction

    * Specifications (incl. representation of matriculation number depending values)
    * Task (described in own words)

  - Solution to the tasks

    * Programs used
    * Assumptions
    * Solution path (incl. relevant formulas)
    * Graphs (axes labeling, units, ...)
    * Intermediate and final results with physical units
    * Discussion and interpretation of graphical and numerical results

  - Conclusion and References

- The technical report need to be created by the use of a word processing program and may contain also handwritten graphics. The report is to be submitted in pdf-file-format.

- The submitted calculation files need to be executable without errors in the calculation program (i.e. MATLAB).

- The calculation files and the technical report are to be compressed to a ZIP-file and uploaded to TUWEL.

- Use the TUWEL-forum to ask questions regarding the homework assignment; this way you will support each other and the TAs can answer questions for all students.

- Even if you work in groups, an individual, self-written technical report is to be submitted by each student.