

十三等级制记分课程考核要求及成绩评定标准

课程编号: MAE 310

课程名称: 计算固体力学

课程负责人 (签名): 刘巨

一、课程评估形式及权重:

- Homework assignments: 40%
- Midterm exam: 25%
- Final project: 35%

二、期末考核形式:

- Research project.

三、期末考核成绩评定标准 (各成绩等级的评定依据及标准):

The final research project is graded based on the written report (60%) as well as the oral presentation (40%).

The written report is evaluated based on the following criteria.

1. Physical background investigation (20%): the student is required to describe the physical problem to be numerically investigated.
2. Computational scheme design (20%): the student is required to state proper computational schemes for the physical problem. The weak-form problem, element technology, constitutive routine, and dynamic integration method need to be clearly stated.
3. Code development (30%): the student is required to implement the

computational scheme.

4. Code verification (10%): the student is required to use the learned theory to examine the correctness of the developed code.

5. Discussion (20%): the student shall use the code to investigate a real-world problem and interpret the obtained solutions for engineering design purposes.

The presentation is graded based on the following criteria.

1. Quality of the prepared presentation slides (45%);
2. Logical coherence of the presentation (45%);
3. Address of the questions from the audience (10%).