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: 30%
- Class participation: 5%

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, and it 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.