

Indian Institute of Technology Palakkad

Department of Mathematics

MA 5009 (Ordinary differential equations)

2024-2025 (August-November)

Instructor: Dr Gopikrishnan C R

Office: 10, D03-FF (Dr. APJ Abdul Kalam Block).

Grading policy

This course follows absolute grading with the highest score at 100. The grade distribution is as follows with the letter grades bearing standard institutional meaning of IIT Palakkad.

Grade	Score (x) boundaries
S	$90 < x \leq 100$
A	$80 < x \leq 90$
B	$70 < x \leq 80$
C	$60 < x \leq 70$
D	$50 < x \leq 60$
E	$30 < x \leq 50$
U	$1 < x \leq 30$
I	0
W	0

Attendance is compulsory. There are 45 lectures in this course. Any student who registers attendance less than 85% (or less than 39 lectures) **will not be** allowed to write the final examination.

Evaluation scheme is as follows.

Component	Weight
Test 1	15
Test 2	15
Assignments	5
Surprise quizzes	5
Project	10
End semester examination	50

This course has assignments and quiz components in evaluation.

- ▶ **Assignments.** A total of six assignments, each carrying 10 points, are published every fortnight. You have ten days from the date of an assignment to submit the solutions. The submission deadlines for a maximum of two assignments can be extended by a further five days on special request. However, this extension has no influence on the submission of the next assignment. The best results of five assignments will be taken into account for the final grading.
- ▶ **Quizzes.** Quizzes will be surprise. There will be three quizzes, each of ten points. The two best results will be considered for the evaluation.
- ▶ **Project.** Students have to do a compulsory project with a programming part (in Matlab) of ten points. The topics will be uploaded to Moodle. Students can choose a topic from the uploaded list. A detailed report (in a prescribed format in LaTeX) and a presentation (in Beamer) must be submitted.