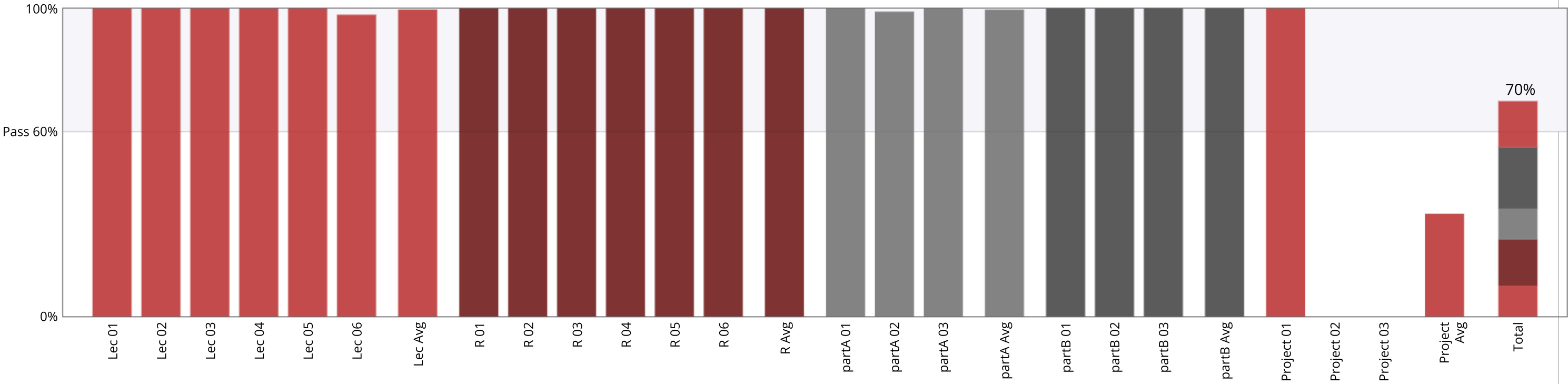# Course Progress for 'sandipanUMBC' (sandipan.dey@gmail.com)

Your enrollment: Audit track

You are enrolled in the audit track for this course. The audit track does not include a certificate.

| Getting started | **Entrance survey** |
| | No problem scores in this section |

Entrance survey

No problem scores in this section

Overview and logistics

No problem scores in this section

Using the edX platform (0/1) 0%

Practice Scores: 0/0   0/1   0/0   0/0   0/0

Introduction to matlab (2/2) 100%

Practice Scores: 1/1   1/1

Using the forum

No problem scores in this section

Syllabus and schedule

No problem scores in this section

Unit 1: Linear Algebra, Part 1

1 Elimination and solving linear systems with matrices (28/28) 100%

Lecture *due Jan 31, 2024 20:30 IST*

Problem Scores: 1/1   3/3   1/1   2/2   1/1   2/2   1/1   1/1   1/1   1/1   1/1   1/1   3/3   3/3   3/3   1/1   1/1   1/1

MATLAB Recitation 1 (4/4) 100%

Recitation *due Jan 31, 2024 20:30 IST*

Problem Scores: 1/1   1/1   1/1   1/1

2 Nullspace and solutions to homogeneous linear systems (23/23) 100%

Lecture *due Jan 31, 2024 20:30 IST*

Problem Scores: 1/1   1/1   1/1   1/1   1/1   1/1   1/1   1/1   1/1   1/1   1/1   1/1   1/1   1/1
1/1   1/1   1/1   1/1   1/1   1/1   1/1   1/1   1/1

MATLAB Recitation 2 (5/5) 100%

Recitation *due Jan 31, 2024 20:30 IST*

Problem Scores: 1/1   1/1   1/1   1/1   1/1

Part A Homework 1 (65/65) 100%

Part A *due Jan 31, 2024 20:30 IST*

Problem Scores: 5/5   5/5   5/5   5/5   5/5   5/5   5/5   10/10   10/10   5/5   5/5

Part B Homework 1 (10/10) 100%

Part B *due Jan 31, 2024 20:30 IST*

Problem Scores: 2/2   2/2   2/2   1/1   3/3

Unit 2: Linear Algebra, Part 2

3 Column space and solving inhomogeneous linear systems (35/35) 100%

Lecture *due Feb 21, 2024 20:30 IST*

Problem Scores: 1/1   1/1   1/1   1/1   1/1   1/1   1/1   1/1   1/1   1/1   1/1   1/1   1/1   1/1
1/1   4/4   4/4   4/4   1/1   1/1   1/1   1/1   1/1   1/1   1/1   1/1

MATLAB Recitation 3 (7/7) 100%

Recitation *due Feb 21, 2024 20:30 IST*

Problem Scores: 1/1   1/1   1/1   1/1   2/2   1/1

4 Eigenvalues and eigenvectors (18/18) 100%

Lecture *due Feb 21, 2024 20:30 IST*

Problem Scores: 1/1   1/1   2/2   1/1   2/2   1/1   1/1   1/1   1/1   1/1   2/2   1/1   1/1   1/1
1/1

MATLAB Recitation 4 (5/5) 100%

Recitation *due Feb 21, 2024 20:30 IST*

Problem Scores: 1/1   1/1   1/1   1/1   1/1

Part A Homework 2 (63.5/64) 99%

Part A *due Feb 21, 2024 20:30 IST*

Problem Scores: 5/5   0.5/1   1/1   1/1   10/10   10/10   15/15   5/5   1/1   5/5   5/5   5/5

Part B Homework 2 (23/23) 100%

Part B *due Feb 21, 2024 20:30 IST*

Problem Scores: 4/4   2/2   1/1   3/3   2/2   1/1   2/2   2/2   2/2   1/1   1/1   2/2

Unit 3: Solving systems of first order ODEs using matrix methods	**5 Solving homogeneous NxN systems** (19/19) 100%

5 Solving homogeneous NxN systems (19/19) 100%

Lecture *due Mar 14, 2024 20:30 IST*

Problem Scores:	1/1	1/1	4/4	2/2	1/1	1/1	4/4	1/1	4/4

MATLAB Recitation 5 (5/5) 100%

Recitation *due Mar 14, 2024 20:30 IST*

Problem Scores:	1/1	1/1	1/1	1/1	1/1

6 Decoupling and solving inhomogeneous linear systems of ODEs (15.7/16) 98%

Lecture *due Mar 14, 2024 20:30 IST*

Problem Scores:	1/1	1/1	2/2	0.71/1	2/2	1/1	4/4	3/3	1/1	0/0

MATLAB Recitation 6 (4/4) 100%

Recitation *due Mar 14, 2024 20:30 IST*

Problem Scores:	1/1	1/1	1/1	1/1

Part A Homework 3 (88/88) 100%

Part A *due Mar 14, 2024 20:30 IST*

Problem Scores:	5/5	5/5	8/8	10/10	5/5	5/5	5/5	10/10	10/10	10/10	5/5	10/10

Part B Homework 3 (21/21) 100%

Part B *due Mar 14, 2024 20:30 IST*

Problem Scores:	1/1	1/1	3/3	1/1	1/1	1/1	2/2	1/1	1/1	1/1	1/1	3/3	1/1	3/3

Final project: Applications to nonlinear differential equations

About the final project (READ FIRST)

No problem scores in this section

Project 1: Review of nonlinear populations models

Project *due Mar 14, 2024 20:30 IST*

No problem scores in this section

Project 2: Solving nonlinear populations models using MATLAB

Project *due Mar 14, 2024 20:30 IST*

No problem scores in this section

Project 3: Designing a zipline using MATLAB (3/3) 100%

Project *due Mar 14, 2024 20:30 IST*

Problem Scores:	1/1	1/1	1/1

Exit survey and thank you

Thank you!

No problem scores in this section

Exit Survey

No problem scores in this section