

E0 219 Linear Algebra and Applications / August-December 2016

(ME, MSc. Ph. D. Programmes)

Download from : [http://www.math.iisc.ernet.in/patil/courses/courses/Current Courses/...](http://www.math.iisc.ernet.in/patil/courses/courses/Current%20Courses/...)**Tel :** +91-(0)80-2293 2239/(Maths Dept. 3212) **E-mails :** dpatil@csa.iisc.ernet.in / patil@math.iisc.ernet.in**Lectures :** Monday and Wednesday ; 11:00–12:30**Venue:** CSA, Lecture Hall (Room No. 117)

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Midterms : 1-st Midterm : Saturday, September 17, 2016; 15:00–17:00**2-nd Midterm :** Saturday, October 22, 2016; 15:00–17:00**Final Examination :** December ??, 2016, 09:00–12:00**Evaluation Weightage : Assignments :** 20%**Midterms (Two) :** 30%**Final Examination :** 50%

| Range of Marks for Grades (Total 100 Marks) | | | | | | | |
|---|----------------------|---------|----------------------|---------|---------|---------|---------|
| Marks-Range | Grade S | Grade A | Grade B | Grade C | Grade D | Grade F | |
| | > 90 | 76—90 | 61—75 | 46—60 | 35—45 | < 35 | |
| Marks-Range | Grade A ⁺ | Grade A | Grade B ⁺ | Grade B | Grade C | Grade D | Grade F |
| | > 90 | 81—90 | 71—80 | 61—70 | 51—60 | 40—50 | < 40 |

Prerequisites

- Language of Set Theory — Sets, Operations of sets, Relations, Maps, etc.
- The number systems — The sets of natural numbers, integers, rational numbers, real numbers, Complex numbers and their Arithmetic — the natural operations of additions and multiplications on them.
- Elementary Calculus.