

## INF 105 – Aljabar Linear dan Matriks

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2. Buku referensi:  
D.C. Lay, *Linear Algebra and Its Applications 4<sup>th</sup> Edition*, Pearson, 2012
3. Penilaian  
Komponen nilai: UTS (30%) + UAS (30%) + Tugas (30%) + Keaktifan (10%)
4. Silabus

Lectures	Topic	Reading	Assignments
1	<ul style="list-style-type: none"><li>• Course introduction</li><li>• System of linear equations</li></ul>	Ch. 1.1	
2	Matrices	Ch. 1.2	
3	Vector equations	Ch. 1.3	
4	The matrix equation $Ax=b$	Ch. 1.4	
5	Linear independence	Ch. 1.7	
6	Linear transformation	Ch. 1.8-1.9	
7	Review		
8	UTS		
9	Matrix operation and matrix inverse	Ch. 2.1-2.3	
10	Matrix factorization	Ch. 2.5	
11	Subspace, dimension, and rank	Ch. 2.8-2.9	
12	Determinants	Ch. 3	
13	Vector spaces	Ch. 4.1-4.3	
14	Vector spaces	Ch. 4.4-4.7	
15	Review		
16	UAS		