

## CIV 208 – Analisa Numerik

1. Dosen: Nur Uddin, PhD. ( Email: [nur.uddin@upj.ac.id](mailto:nur.uddin@upj.ac.id) )
2. Buku referensi:  
S.C. Chapra and R.P. Canale, *Numerical Methods for Engineers 7<sup>th</sup> Edition*, Mc Graw-Hill Education, 2015
3. Penilaian  
Komponen nilai: UTS (30%) + UAS (30%) + Tugas (30%) + Keaktifan (10%)
4. Silabus

Lectures	Topic	Reading	Assignments
1	Introduction		
2	Linear algebra		
3	Differential, multivariable		
4	Integral		
5	Taylor series		
6	Numerical error		
7	Root of equations, Newton-Rapson method		
8	UTS		
9	One-dimensional unconstrained optimization: Part 1	Ch. 13	
10	One-dimensional unconstrained optimization: Part 2		
11	Multidimensional unconstrained optimization: Part 1		
12	Multidimensional unconstrained optimization: Part 2		
13	Constrained optimization: Part 1		
14	Constrained optimization: Part 2		
15	Review		
16	UAS		