

# CX1104: Linear Algebra for Computing

$$\underbrace{\begin{bmatrix} a_{11} & a_{12} & a_{13} & \dots & a_{1n} \\ a_{21} & a_{22} & a_{23} & \dots & a_{2n} \\ \vdots & \vdots & \vdots & \ddots & \vdots \\ a_{m1} & a_{m2} & a_{m3} & \dots & a_{mn} \end{bmatrix}}_{A} \underbrace{\begin{bmatrix} x_1 \\ x_2 \\ x_3 \\ \vdots \\ x_n \end{bmatrix}}_{x} = \underbrace{\begin{bmatrix} b_1 \\ b_2 \\ \vdots \\ b_m \end{bmatrix}}_{b}$$

Chap. No : **8.1.0**

Lecture : **Eigen and Singular Values**

Topic : **Overview of this chapter**

Concept :

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## Chapter 5 Eigenvalues and Eigenvectors 265

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We will use Lay's (4<sup>th</sup> edition) chapter 5.1-5.4 for the slides  
Ch 5.5 and 5.6 for future offerings