# COURSE DETAIL

## LINEAR ALGEBRA II WITH LAB

**Country**
Korea, South

**Host Institution**
Korea University

**Program(s)**
Korea University

**UCEAP Course Level**
Upper Division

**UCEAP Subject Area(s)**
Mathematics

**UCEAP Course Number**
127

**UCEAP Course Suffix**
B

**UCEAP Official Title**
LINEAR ALGEBRA II WITH LAB

**UCEAP Transcript Title**
LINEAR ALGEBRA/LAB

**UCEAP Quarter Units**
4.50

**UCEAP Semester Units**

3.00

**Course Description**

The course covers introductory linear algebra, focusing on the eigenvalues and eigenvectors of a matrix, orthogonality, and properties of positive definite matrices. The eigenvalues and eigenvectors are considered from their definitions to their applications. Other topics include orthogonal projections, the Gram-Schmidt process, and the inner product space.

**Language(s) of Instruction**
English

**Host Institution Course Number**
MATH222

**Host Institution Course Title**
LINEAR ALGEBRA II WITH LAB

**Host Institution Campus**

**Host Institution Faculty**

**Host Institution Degree**

**Host Institution Department**
Mathematics

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