

## Mathematics II

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You can find the last version of these course materials at

<https://github.com/mbujosab/MatematicasII/tree/main/Eng>

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([www.ucm.es/fundamentos-analisis-economico2/marcos-bujosa](http://www.ucm.es/fundamentos-analisis-economico2/marcos-bujosa))
- Tutoring sessions schedule: [in my web page](#)
- Room: [N 320](#) (pabellón de primero "prefa")
- Main reference: **Un curso de Algebra Lineal** (in progress)  
([mbujosab.github.io/CursoDeAlgebraLineal](https://mbujosab.github.io/CursoDeAlgebraLineal))
  - Also: Strang (2003); Poole (2004)
- Slides and problem sets:  
[mbujosab.github.io/MatematicasII/](https://mbujosab.github.io/MatematicasII/)
- Jupyter Notebooks:  
[mbujosab.github.io/nacal-Jupyter-Notebooks/](https://mbujosab.github.io/nacal-Jupyter-Notebooks/)

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### 2 Organization of the course

- Each session will consist of one and a half hours of class and an additional half an hour of seminar.
- Class time will be devoted to theoretical explanations of the topics and, if time permits, to solving related problems.
- The seminars will be dedicated to problem-solving and addressing doubts
- Please consult the class schedule

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### 3 Assessment of students learning

The students will be graded according to the following weights:

$$\overbrace{15\% + 20\% + 25\%}^{\text{3 scheduled quizzes}} + \overbrace{40\%}^{\text{final exam}}$$

**It is an absolute requirement to obtain a minimum score of 3.5 out of 10 on the final exam in order to pass the course.**

### 4 not taken grade

Students who do not sit for the final exam will receive a grade of **Not Submitted**.

### 5 How to "escape" from a bad continuous assessment?

If you failed the continuous assessment:

in the extraordinary call, the final exam in June will be averaged with the higher of the May final exam and the continuous assessment.

Arvesú Carballo, J., Marcellán Español, F., and Sánchez Ruiz, J. (2005). *Problemas resueltos de Álgebra Lineal*. Thomson Learning, Madrid. España. ISBN 84-9732-284-3.

Cullen, C. G. (1972). *Matrices and Linear Transformations*. Dover publications, Inc., New York, USA., second ed.

Larson, R., Edwards, B. H., and Falvo, D. C. (2004). *Álgebra lineal*. Ediciones Pirámide, Madrid. España, fifth ed. ISBN 84-368-1878-4. Título de la obra original: Elementary Linear Algebra. Houghton Mifflin Company.

Poole, D. (2004). *Álgebra lineal. Una introducción moderna*. Thomson Learning, Mexico D.F. ISBN 970-686-272-2.

Strang, G. (2003). *Introduction to Linear Algebra*. Wellesley-Cambridge Press, Wellesley, Massachusetts. USA, third ed. ISBN 0-9614088-9-8.

Strang, G. (2007). *Álgebra Lineal y sus Aplicaciones*. Thomson Learning, Inc, Santa Fe, México, D. F., fourth ed. ISBN 970686609-4.