

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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- Marcos Bujosa
 (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)
 - Also: Strang (2003); Poole (2004)
- Slides and problem sets:
mbujosab.github.io/MatematicasII/
- Jupyter Notebooks:
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 the theoretical exposition of the topics and (if time allows) to problem-solving related activities.
- 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

Students will be graded following a continuous assessment based on:

- 2 scheduled quizzes plus final exam:
(20% + 40%) + 40%

The weights in the final grade score of the previous items will be the following:

- Intermediate scheduled tests: $20\% + 40\% = 60\%$
- Final exam: 40%

It will be strictly necessary to get, at least, 3.5 out of 10 in the final to pass the subject.

4 not taken grade

A student *not taking the final exam in May* (ordinary call) will be graded with "Exam: not taken" only if either she/he:

- has no grades in the second scheduled test.

Otherwise his grade will be computed with the above mentioned weights, taking into account a zero grade in the "Final exam" item.

In June (extraordinary call) any student not taking the final exam will be graded with "Exam: not taken."

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

If the continuous assessment was unsuccessful:

in the extraordinary examination period, the final exam in June will average with the higher score between the May 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.