Mathematics II

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25/01/2022

- Marcos Bujosa
- Room: N 320 (pabellón de primero "prefa")
- My web page: http://www.ucm.es/ fundamentos-analisis-economico2/marcos-bujosa
- References: **Book** (in progress): https://github.com/mbujosab/CursoDeAlgebraLineal/ blob/master/libro.pdf
    - Also: Strang (2003); Poole (2004)
- Jupyter Notebooks: https://notebooks.gesis.org/binder/v2/gh/ mbujosab/nacal-Jupyter-Notebooks/master
- Tutorial sessions schedule: in my web page
- Slides and problem sets: Virtual campus or my web page

2 Organization of the course

- Course Meeting Times: Lecture (1 and $\frac{1}{2}$ hours) + Seminar (1/2 hour)

- The Lecture time will be dedicated to both theoretical exposure of topics and discussion and resolution of related problems

- The seminar time will be dedicated to discussion and resolution of problems and exercises using the tools introduced in the theoretical classes.

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 exam will be graded with "Exam: not taken."

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

Remember that the final exam in June (resit exam) will average with the grade obtained in May (first sitting).

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., Edwars, B. H., and Falvo, D. C. (2004). *Álgebra lineal*. Ediciones Pirámide, Madrid. España, fifth ed. ISBN 84-368-1878-4. Titulo de la obra original: Elementary Linear Algebra. Houghton Miffin 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*. Thomsom Learning, Inc, Santa Fe, México, D. F., fourth ed. ISBN 970686609-4.