

# L<sup>A</sup>T<sub>E</sub>X for Economists

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Course webpage: [http://personal.ceu.hu/staff/Attila\\_Gyetvai/teaching/latexecon/](http://personal.ceu.hu/staff/Attila_Gyetvai/teaching/latexecon/)  
Dashboard: <http://facebook.com/groups/latexceu/>

## Course Description and Objectives

L<sup>A</sup>T<sub>E</sub>X for Economists is a short, elective course designed for students at the Department of Economics. The course aims at introducing you to typesetting in L<sup>A</sup>T<sub>E</sub>X. During the course, special attention is paid to applied skills.

## Learning Outcomes

By the end of the course, you should

1. have a basic understanding of what L<sup>A</sup>T<sub>E</sub>X is and how it works;
2. be able to typeset a simple text with math and figures, ranging from a problem set to your thesis;
3. be able to debug your own code using online and offline resources.

## Before the first seminar...

1. Join the Facebook group of the seminar at <http://facebook.com/groups/latexceu/>
2. Install a compiler and T<sub>E</sub>Xmaker, our L<sup>A</sup>T<sub>E</sub>X editor of choice. Find detailed instructions [here](#).
3. Print the [character sheet](#) and spend some time to practice finding them. An [online quiz](#) is put together to help. Registration is required.

# Schedule

**This is a preliminary schedule. Actual may differ.**

## 1. Introduction & simple text

1. Intro 2. Hello World! 3. Document classes 4. Typographical emphasis 5. Alignment 6. Simple and nested itemized, enumerated lists

## 2. References & tables

1. Inner references a) Footnotes b) Chapters c) List of contents d) List of labels  
2. Outer references a) Reference management b) Websites c) Email addresses  
3. Tables<sup>1</sup>

## 3. Math

1. Math environments, equations, systems of equations 2. Formulae, special characters  
3. Operators 4. Vectors, matrices 5. Theorems 6. Regression outputs: equation and table

## 4. Graphics

1. Pasting premade pictures 2. Vector graphic figures with [PGF/TikZ](#) 3. Plots with [PGFPlots](#)

## 5. Presentation

1. Introduction to [Beamer](#) 2. Predefined styles 3. Animations 4. [A custom template](#)

## 6. Miscellaneous topics

1. Academic and job market CVs 2. How to write your thesis in  $\text{\LaTeX}$  3. Q&A  
+1 Mini exam<sup>2</sup>

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<sup>1</sup>Using the table wizard of  $\text{\TeX}$ maker.

<sup>2</sup>For testing your skills only, no consequences.