

Vademecum

To the students who want to follow online the preliminary course of Mathematics.

Step 0.

It would be much better to attend the preliminary course classroom-taught lessons. If you absolutely cannot do this then please follow the following operating instructions.

Step 1.

Check the prerequisites you should have from the basic mathematics courses (<http://docenti.luiss.it/games-dallaglio/mathematics-1-2016-2017/> and <http://docenti.luiss.it/mathematics-papi/mathematics-ii/>)

If such prerequisites do not belong to your background then your effort in attending the preliminary course must be very deep and strongly integrated by individual homework.

Step 2.

Download and solve the entrance test

(http://learn.luiss.it/pluginfile.php/20615/mod_resource/content/6/EntranceTEST_preliminarycourse_Mathematics2017_def1.pdf)

Step 3.

Self-assessment (Link al file)

Step 4.

Download the lectures from the moodle learning platform. Such lectures have to be completed during the classroom-taught lessons, to make the student participation active and effective. So, if you decide to attend the preliminary course online, you must integrate the material on the lectures with the one contained in the references below.

Moreover you should solve the exercises contained on both the lectures and the references. If you have questions please use the forum on the moodle platform to interact with the teacher.

Lecture 1:

Download the files

http://learn.luiss.it/pluginfile.php/20621/mod_resource/content/4/PreliminaryCourse_lecture1_Vectorspaces.pdf and

http://learn.luiss.it/pluginfile.php/20624/mod_resource/content/2/PreliminaryCourse_Lecture2_MatricesRank.pdf

Study the Reference: Simon-Blume “Mathematics for Economists”
pag 153-196.

Lecture 2:

Download the file

http://learn.luiss.it/pluginfile.php/20627/mod_resource/content/1/PreliminaryCourse_Lecture3_Linearsystems.pdf

Study the Reference: Simon-Blume “Mathematics for Economists”
pag 107-152

Lecture 3:

Download the files

http://docenti.luiss.it/games-dallaglio/files/2013/10/Math2015_02_FunctionsP.pdf

http://docenti.luiss.it/games-dallaglio/files/2013/10/Math2015_03_PropFuncP.pdf

http://docenti.luiss.it/games-dallaglio/files/2013/10/Math2015_04_LimitsP4.pdf

and the TA sessions at the following link:

<http://docenti.luiss.it/games-dallaglio/mathematics-2013-14/teaching-material-i-semester/>

Study the Reference: Simon-Blume “Mathematics for Economists”
pag 10-24

Lecture 4:

Download the files

http://docenti.luiss.it/games-dallaglio/files/2013/10/Math2015_05_DerivativeP.pdf

http://docenti.luiss.it/games-dallaglio/files/2013/10/Math2015_07_1VarOptP1.pdf

and the TA sessions at the following link

<http://docenti.luiss.it/games-dallaglio/mathematics-2013-14/teaching-material-i-semester/>

Study the Reference: Simon-Blume “Mathematics for Economists”
pag 25-106.

Lecture 5 and 6:

Download the file

http://learn.luiss.it/pluginfile.php/20648/mod_resource/content/1/series%20and%20integrals.pdf

Study the Reference: Simon-Blume “Mathematics for Economists”
pag 887-893.

Step 5.

Download and solve the exit test (Link al file)

Step 6.

Self-assessment (Link al file)

If you still have deficiency at this point please use the forum on the moodle platform.