

## Tárgytematika / Course Description

### Advanced Macroeconomics

KGNM\_NETA054

Tárgyfelelős neve /

Teacher's name: dr. Koppány Krisztián

Félév / Semester: 2022/23/2

Beszámolási forma /

Assesment: Vizsga

Tárgy heti óraszám /

Teaching hours(week): 2/0/0

Tárgy féléves óraszám /

Teaching hours(sem.): 0/0/0

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### OKTATÁS CÉLJA / AIM OF THE COURSE

This course provides an overview of models and methods of multiplicative economic impact analysis pervading in international literature, and illustrates their use with correct and comprehensible mathematical background through Hungarian and global applications and numerical examples.

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### TANTÁRGY TARTALMA / DESCRIPTION

Introduction. Simple Keynesian income-expenditure multiplier models. Multiregion income-expenditure multiplier models. The structure of national input-output tables. Introduction to the generation of input-output tables. The fixed product sales structure method. Basic input-output modelling, Leontief input-output model. Analysing effects of final demand and structural changes using Type 1 input-output multipliers. Analysing effects of final demand and structural changes using Type 2 input-output multipliers. SAMs. International analyses with world input-output tables, Global Value Chain indicators.

Marks can be obtained by writing two in-semester exams (tests) (in-semester exams are optional). Attending lessons is not a prerequisite for signing. Course materials are available on SzE-Learning Moodle portal: <https://szelearning.sze.hu/course/view.php?id=683>.

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### SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESSMENT'S METHOD

Students write an exam in the examination period. Marks can be obtained by writing two in-semester exams, as well. (This option is not available in case of Exam Only courses.) Evaluation is based on the total score (sum) of two in-semester exams (if you write them) or the end-semester exam score according to the following grades: below 50% insufficient (1), 50-62% sufficient (2), 63-72% average (3), 73-82% good (4), 83% or above excellent (5).

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### KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

Obligatory material is available on on SzE-Learning Moodle portal: <https://szelearning.sze.hu/course/view.php?id=683>.

Recommended readings (optional):

Schaffer, W. A. (2010): Regional Impact Models. Georgia Institute of Technology, School of Economics, Revised (pdf) version, March 2010

Ambargis, Z. O., Mead, C. I. (2012): RIMS II. An essential tool for regional developers and planners. Bureau of Economic Analysis.

Miller, R. E., Blair, P. D. (2009): Input-Output Analysis. Foundations and Extensions, Cambridge University Press, Cambridge, Second Edition

Oosterhaven, J. (et al.) (2014): Interregional Input–Output Models. In: Fischer, M. M, Nijkamp, P. (2014): Handbook of Regional Science. Springer-Verlag Berlin Heidelberg pp. 875-901

Wang, Z., Wei, S.-J., Yu, X., & Zhu, K. (2017). Measures of Participation in Global Value Chains and Global Business Cycles (Working Paper No. 23222; Working Paper Series). National Bureau of Economic Research. <https://doi.org/10.3386/w23222> see also [http://rigvc.uibe.edu.cn/english/D\\_E/database\\_database/index.htm](http://rigvc.uibe.edu.cn/english/D_E/database_database/index.htm)