

## **Tárgytematika / Course Description**

### **IT in governance (E-government, big data)**

**DKLS\_APTA040**

**Tárgyfelelős neve /**

**Teacher's name:** dr. Karácsony Gergely

**Félév / Semester:** 2019/20/2

**Beszámolási forma /**

**Assesment:** Folyamatos számonkérés

**Tárgy heti óraszám /**

**Teaching hours(week):** 0/0/0

**Tárgy féléves óraszám /**

**Teaching hours(sem.):** 12/0/0

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### **OKTATÁS CÉLJA / AIM OF THE COURSE**

#### **Aim of the course**

The aim of the course is to introduce the main concepts of the use of information technology (IT) tools in governance. The lectures cover technological, administrative and legislative issues of the topic.

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### **TANTÁRGY TARTALMA / DESCRIPTION**

#### **Course outline**

Basic concepts: uses of IT tools in governance

E-citizenship & e-democracy

E-identity

Data protection issues

Cybersecurity and critical infrastructure

Future concepts and perspective

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

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### **KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL**

#### **Recommended reading**

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The United Nations E-Government Survey 2018.

ITU (2017). Measuring the Information Society Report 2017. Available at: [https://www.itu.int/en/ITU-D/Statistics/Documents/publications/misr2017/MISR2017\\_Volume2.pdf](https://www.itu.int/en/ITU-D/Statistics/Documents/publications/misr2017/MISR2017_Volume2.pdf)

Carter, L. and Bélanger, F. (2005), The utilization of e-government services: citizen trust, innovation and acceptance factors. *Information Systems Journal*, 15: 5-25.

Council Directive 2008/114/EC of 8 December 2008 on the identification and designation of European critical infrastructures and the assessment of the need to improve their protection

Jan Willemsen: Bits or paper: Which should get to carry your vote? *Journal of Information Security and Applications*, Volume 38, February 2018, pp 124-131

Kareem M. AboSamra, Ahmed A. AbdelHafez, Ghazy M. R. Assassa, Mona F. M. Mursi: A practical, secure, and auditable e-voting system. *Journal of Information Security and Applications*, Volume 36, October 2017, Pages 69-89

Ghassan Z. Qadah, Rani Taha: Electronic voting systems: Requirements, design, and implementation. *Computer Standards & Interfaces*, Volume 29, Issue 3, March 2007, Pages 376-386

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