

Программа учебной дисциплины

«Безопасность цифровой демократии (преподается на английском языке)»

Утверждена
Академическим советом ООП
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Автор	Поршнеv А.В.
Число кредитов	3
Контактная работа (час.)	114
Самостоятельная работа (час.)	114
Курс	1
Формат изучения дисциплины	С использованием онлайн-курса https://www.coursera.org/learn/digital-democracy

1. Course Description

- a. Title of a Course : Securing Digital Democracy
- b. Pre-requisites: None
- c. Course Type: blended <https://www.coursera.org/learn/digital-democracy>
- d. Abstract:

This course will provide the technical background and public policy foundation that 21st century citizens need to understand the electronic voting debate. Students will learn how electronic voting and Internet voting technologies work, why they are being introduced, and what problems they aim to solve. Students will also learn about the computer- and Internet-security risks these systems face and the serious vulnerabilities that recent research has demonstrated. Widely used safeguards, checks, and balances will be covered and the reasons why they are often inadequate. Finally, students will see how computer technology has the potential to improve election security, if it's applied intelligently.

2. Learning Objectives

Students will be guided towards in-depth reading on the topics and given the opportunity to develop their the skills of analysis and synthesis of theoretical and methodological issues. Students will also be equipped with the core analytical skills necessary to engage in research on digital democracy, including data collection, analysis and presentation. Past, present, and future of election technologies are discussed and the various spaces intersected by voting, including computer security, human factors, public policy, and more are explored.

3. Learning Outcomes

By the end of the course, students will be able to demonstrate a broad understanding of the main issues in security risks and future potential of electronic voting and Internet voting.

4. Course Plan

Topic 1. Voting as a security problem

Topic 2. Computers as the Polls

Topic 3. Security procedures and voting all around the world

Topic 4. Human factors and Internet voting

Topic 5. New technology and Policy

5. Reading List (provided by Coursera)

a. Required

1. Johnses, D.W., Simons, B. Broken Ballots. Will your vote count?– Chicago: CSLI Publications, 2012. – 445 p.

b. Optional

1. <https://www.coursera.org/learn/digital-democracy/supplement/j1Fps/reading-list>

6. Grading System

At the end of each week students are offered a test. At the end of the course there is a final writing assessment.

7. Guidelines for Knowledge Assessment

Grades will be based on the following:

$$O_{cumulative} = (test\ 1 + test\ 2+test\ 3+test4 +test\ 5)/5$$

$$O_{final} = O_{cumulative} \cdot (0,5) + O_{final\ writing\ assessment} (0,5)$$

8. Methods of Instruction

Online lectures