

Cybersecurity Awareness Course Evaluation Questionnaire

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The following questionnaire has been deployed for the evaluation of the Cybersecurity Awareness course – <https://security.muni.cz/en/cybercompass> and is part of the paper [2]. The questionnaire consists of three reading check questions per lesson, 10 evaluation questions per lesson, and 12 general questions posed after finishing all lessons.

1 READING CHECK QUESTIONS

1.1 Security of Devices

Which of the following security precautions to keep one's device secure are suggested in this lesson?

- Doing data backups
- Using Antivirus software
- Changing bad habits
- All of the above [correct]

Which field does the 3–2–1 rule relate to?

- Authentication
- Backups [correct]
- Email encryption
- None of the above

What is the advantage of using the private browsing mode?

- Avoids that your Internet provider, school, or employer can see which websites you visit
- Everything you'll do online in the anonymous mode won't be linked to your identity [correct]
- The next time you'll search for a gift for a partner, neither the browser auto completion nor the ads will reveal it to him/her [correct]
- All of the above

1.2 Passwords

How much time does it take to break a good passphrase?

- Several hours
- Several weeks
- Several months
- Several years
- Millions of years [correct]

What is a good trust compromise when starting to use a password manager?

- Store only passwords of medium and low priority [correct]
- Store only passwords of high priority
- Store only passwords that you tend to use daily
- Store only passwords that you tend to forget

What are bad password habits that people should stop exhibiting?

- Using a passphrase with numbers and special characters
- Writing passwords on a piece of paper [correct]
- Sharing passwords [correct]
- Repeating the same passwords for multiple important accounts [correct]

1.3 Self-Defense

Which of the following URLs is the legitimate URL of IS MUNI [Masaryk University's Information System]

- is-muni.cz
- is.muni.cz [correct]
- is.munl.cz
- is.mni.cz

Which of the following data in web browsers should you at least check to make sure you are visiting the website you actually aimed at?

- The lock icon
- The HTTPS in front of the URL
- The address bar [correct]
- The website name

Who can see your activities on a public, password-protected network?

- Everyone in the network
- Everyone on the internet
- The administrator of the network [correct]
- All of the above

1.4 Secure Communication

How can you connect to Eduroam?

- By your identification number (UČO) and your primary password
- By your identification number (UČO) and your secondary password [correct]
- By your identification number (UČO) and your faculty password
- All of the above

Which configuration tool should you install to connect to Eduroam securely?

- Eduroam CONNECT
- Eduroam myEDUROAM
- Eduroam eduCONNECT
- Eduroam CAT [correct]

To whom does MUNI [Masaryk University] offer free VPN?

- Current MU students [correct]
- Former MU students
- Current MU employees [correct]
- All of the above

1.5 Incident Reporting

What does the process of reporting an incident at MUNI [Masaryk University] ideally look like?

- Identify yourself – send the report – describe the problem – attach evidence
- Provide evidence – describe the problem – send the report – identify yourself
- Describe the problem – attach evidence – send the report – identify yourself
- Identify yourself – describe the problem – attach evidence – send the report [correct]

Who is responsible for guarding the cybersecurity at MU?

- CSIRT-FI
- CSIRT-MU [correct]
- CESNET
- All of the above

To which email address should one report a cybersecurity incident at MUNI [Masaryk University]?

- incident@muni.cz
- report-incident@muni.cz
- csirt@muni.cz [correct]
- All of the above

2 EVALUATION QUESTIONS FOR EACH LESSON

What is your overall impression of this lesson?

- Very negative
- Somewhat negative
- Neutral
- Somewhat positive
- Very positive

Please explain in 2–3 sentences what led you to this rating: [open answer field]

How useful did you find the information provided in this lesson?

- Very useful
- Somewhat useful
- Slightly useful
- Not at all useful

How comprehensible did you find the information provided in this lesson?

- Very comprehensible
- Somewhat comprehensible
- Slightly comprehensible
- Not at all comprehensible

How difficult did you find the information provided in this lesson?

- Very difficult
- Somewhat difficult
- Slightly difficult
- Not at all difficult

Did you learn something new in this lesson?

- Yes
- No

If you learned something new, what? [open answer field]

Does the time spent for this lesson seem appropriate as compared to the knowledge gained?

- Completely appropriate
- Somewhat appropriate
- Slightly appropriate
- Not at all appropriate

Did you try the suggested activities and/or tools?

- No
- Yes, one of them
- Yes, some of them
- Yes, all of them

Did you read the bonus material at the end of the lesson?

- Yes, fully
- Yes, partially
- No

3 GENERAL QUESTIONS AFTER FINISHING ALL LESSONS

*How educated do you see yourself in terms of everyday cybersecurity?

- Very much
- Somewhat
- Slightly
- Not at all

*How well prepared do you see yourself in terms of everyday cybersecurity?

- Very much
- Somewhat
- Slightly
- Not at all

*Did the Cybercompass course change your view on preparedness and education in terms of everyday cybersecurity?

- Yes
- No

If Cybercompass changed your view - in which way? [open answer field]

Would you recommend the Cybercompass course to other people?

- Yes – family
- Yes – friends (non-MUNI)
- Yes – fellow students
- Yes – colleagues
- Yes – other people (not falling in the categories above)
- No

Have you heard about the Cybercompass course before the seminar?

- Yes
- No

If you have heard about the Cybercompass course before, where did you hear about it? [open answer field]

The Cybercompass website has a nice graphical design.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree

The Cybercompass website is easy to navigate.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree

When using the Cybercompass website, I was able to quickly find the information I was looking for.

- Strongly agree
- Agree
- Neutral

- Disagree
- Strongly disagree

When coming back to the Cybercompass website, it was easy to resume with my tasks.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree

Do you have any comments on how to improve the Cybercompass course? [open answer field]

* Items marked with an asterisk are based on Breitinger et al. [1].

REFERENCES

- [1] Frank Breitinger, Ryan Tully-Doyle, Kristen Przyborski, Lauren Beck, and Ronald S Harichandran. 2021. First year students' experience in a Cyber World course—an evaluation. *Education and Information Technologies* 26, 1 (2021), 1069–1087. <https://doi.org/10.1007/s10639-020-10274-5>
- [2] Lydia Kraus, Valdemar Švábenský, Martin Horák, Václav Matyáš, Jan Vykopal, and Pavel Čeleda. 2023. Want to Raise Cybersecurity Awareness? Start with Future IT Professionals.. In *Proceedings of the 28th ACM Conference on on Innovation and Technology in Computer Science Education (Turku, Finland) (ITiCSE '23)*. ACM, New York, NY, USA. <https://doi.org/10.1145/3587102.3588862>