

# SYLLABUS ECCC

Area: **Digital competences – DigComp 2.1**

Module: **DC 2.1 M4 Safety**

Level: **Intermediate (B3)** - on his/her own and solving straightforward problems.

Module **DC 2.1 M4 Safety** Level B3 includes proficiency Level 3 of the DigComp 2.1 framework in the Competence Area 4: Safety.

Competences are verified in the following competence titles:

1. **Protecting devices.**  
*To protect devices and digital content, and to understand risks and threats in digital environments. To know about safety and security measures and to have a due regard to reliability and privacy.*
2. **Protecting personal data and privacy.**  
*To protect personal data and privacy in digital environments. To understand how to use and share personally identifiable information while being able to protect oneself and others from damages. To understand that digital services use a "Privacy policy" to inform how personal data is used.*
3. **Protecting health and well-being.**  
*To be able to avoid health-risks and threats to physical and psychological well-being while using digital technologies. To be able to protect oneself and others from possible dangers in digital environments (e.g. cyber bullying). To be aware of digital technologies for social well-being and social inclusion.*
4. **Protecting the environment.**  
*To be aware of the environmental impact of digital technologies and their use.*

The competence verification is carried out in the following groups:

1. Knowledge (K).
2. Skills (S).
3. Abilities (A).

## The scope verified by the ECCC exam of module DC 2.1 M4 (Level B3)

COURSE PURPOSES		LEARNING OUTCOMES			K	S	A
B3_CP1	(4.1) To acquire knowledge of protecting devices.	DC2.1_1	Can indicate well-defined and routine ways to protect own devices and digital content.				
		DC2.1_2	Can differentiate well-defined and routine risks and threats in digital environments.				
		DC2.1_3	Can select well-defined and routine safety and security measures.				
		DC2.1_4	Can indicate well-defined and routine ways to have due regard to reliability and privacy.				
		B3_LO1	Knows about current and up-to-date strategies to avoid risks.	✓			
		B3_LO2	Can recognize potentially dangerous websites and e-mail messages.	✓			

COURSE PURPOSES		LEARNING OUTCOMES		K	S	A
		B3_LO3	Knows what electronic signatures and certificates confirming identity are.	✓		
		B3_LO4	Knows how to protect own digital device ( <i>computer, laptop, mobile device</i> ) in a basic way.	✓		
		B3_LO5	Can operate the browser in private mode and manage the history of pages viewed.		✓	
		B3_LO6	Can find, install and configure browser add-ons to increase security.		✓	
B3_CP2	(4.2) To acquire knowledge about protecting personal data and privacy.	DC2.1_5	Can explain well-defined and routine ways to protect own personal data and privacy in digital environments.			
		DC2.1_6	Can explain well-defined and routine ways to use and share personally identifiable information while protecting him/herself and others from damages.			
		DC2.1_7	Can indicate well-defined and routine privacy policy statements of how personal data is used in digital services.			
		B3_LO7	Understands the terms of use of online services ( <i>i.e. the fact that service providers may use personal data that they collect about users</i> ) and can act prudently in this knowledge.	✓		
		B3_LO8	Understands how his/her own digital footprint can be seen by others	✓		
		B3_LO9	Knows how VPN networks work and can create connections between devices.	✓		
		B3_LO10	Knows how to protect him/herself from data theft attempts.	✓		
		B3_LO11	Knows the legal aspects related to the sharing and processing of personal data, including types of statements about sharing personal data	✓		
		B3_LO12	Is able to track down information about self.		✓	
		B3_LO13	Is aware of online privacy principles of self and of others.			✓
		B3_LO14	Is aware of the impact and longevity of digital information that he/she considers for publishing.			✓
		B3_LO15	Consciously shares personal data on the web.			✓
B3_CP3	(4.3) To acquire skills of protecting health and well-being.	DC2.1_8	Can explain well-defined and routine ways to how to avoid health -risks and threats to physical and psychological well-being while using digital technologies.			
		DC2.1_9	Can select well-defined and routine ways to protect self from dangers in digital environments.			
		DC2.1_10	Can indicate well-defined and routine digital technologies for social well-being and social inclusion.			
		B3_LO16	Knows how to protect himself and how to respond to cyberbullying.	✓		

COURSE PURPOSES		LEARNING OUTCOMES			K	S	A
		B3_LO17	Knows the risks associated with the use of digital devices, the principles of ergonomics and hygiene at work.	✓			
		B3_LO18	Has a balanced attitude towards technological use.			✓	
B3_CP4	(4.4) To acquire skills of protecting the environment.	DC2.1_11	Can indicate well-defined and routine environmental impacts of digital technologies and their use.				
		B3_LO19	Understands the environmental impact of computers and electronic devices and how to make them last longer by recycling parts of it ( <i>such as changing hard disks</i> ).			✓	
		B3_LO20	Has understood that the digital environment we are facing can make things better or worse - it all depends on how we are using it and what rules we find for it.			✓	

Practical skills, verified by the ECCC DC2.1 M4 exam, concern:

1. A computer workstation as PC / laptop equipped with a WiFi network interface and with Internet access with a minimum bandwidth of 2 Mb/s.
2. Operating system: MS Windows 7 or newer or Linux (kernel 3.0 or newer) with an account with administrator rights available to the student.
3. Programs: Acrobat Reader, CCleaner, Eraser, Wireshark, Soft Perfect Network Scanner, GIMP, OpenVPN.
4. Microsoft Office 2007 or newer (Word, Excel, Power Point).
5. Anti-virus program working in "monitor" mode with the heuristic function.
6. Libre Office suite.
7. A web browser that allows to work in private mode and allows to install add-ons such as: WOT, Adblock, Ghostery and supports plugins: Flash, Java.