

DDoS attack lesson plan

Learning Content phase	Learning outcome	Teaching /Learning objectives	Learning Activities (actions and teaching methods to meet the objectives)	Teacher/trainer activities (What is the role of the teacher/trainer and what is he/she going to do?)	Communication and Collaboration form	Resources, tools, and media
Introduction and orientation 20 minutes	Recall the concept of DDoS attacks	<ul style="list-style-type: none"> - Define what a DDoS attack is and its basic characteristics; - Identify common examples of DDoS attacks; - Recognize the potential impact of DDoS attacks. 	<ul style="list-style-type: none"> - Use AR technology to observe DDoS attacks; - Use AR technology to interact with different types of DDoS attacks; - Discussion (Questions and Answers, brainstorming). 	Guide students through AR interactions and discussions.	Verbal and Guided Communication	AR glasses/LMS
Lesson Execution – 15 minutes	<p>Understand how DDoS attacks work</p> <p>Analyze the impact of DDoS attacks</p> <p>Evaluate the effectiveness of DDoS mitigation techniques.</p>	<ul style="list-style-type: none"> - Study the methods and techniques used in DDoS attacks; - Explore different types of DDoS attacks and their characteristics. - Examine real-world examples of DDoS attacks and their consequences; - Assess the financial, operational, and reputational impact of DDoS attacks. - Evaluate the potential consequences of DDoS attacks; - Compare and contrast different mitigation techniques for DDoS attacks. 	<ul style="list-style-type: none"> - Group discussion on DDoS attacks strategies; - Brainstorming sessions on DDoS attack impacts; - Provide insights on real-world applications and challenge students to think critically; - Group discussion on DDoS mitigation techniques. 	<ul style="list-style-type: none"> - Facilitate and moderate group discussions - Present real-world DDoS attacks examples, ensuring knowledge is practically applied and understood. 	Verbal and Guided Communication	LMS
Evaluation – 10 minutes	Evaluation of students / lesson / teacher	<p>Evaluate what are DDoS attacks;</p> <p>Compare different types of DDoS attacks;</p> <p>Evaluate the impact of DDoS attacks;</p> <p>Assessment of knowledge regarding the DDoS attacks mitigation techniques.</p>	Students will answer an online Quiz/ lesson feedback in the LMS and they will get the results	Provide feedback and clarify doubts regarding the evaluation.	Written Evaluation Verbal and Guided Communication	LMS/Quiz