

Evaluation of competency-based education

To participate, you are required to be at least 18 years old.

Studying based on competencies

' competency-based education system offers a structured and personalized learning experience by organizing course content around clearly defined **competencies**, each with specific **learning goals**, **materials**, and a **mastery level** that is visually displayed next to the competencies. This helps you track your progress and build your skills step by step.

Competencies

Manage Refresh

Logic

- Understand and use basic and complex logical operators (AND, OR, NOT, IMPLICATION etc)
- Understand and use quantifiers (All, Exists)
- Use rules of logical algebra to simplify logical expressions

Fundamentals of Imperative Program Verification

- Describe the role of assertions and logical reasoning in program correctness
- Articulate the relationship between assertions and program state
- Explain how verification differs from testing

Your advancement

0/10 Mastered

Progress

The progress is influenced by the percentage of completed lecture units and your score in the exercises.

Mastery

A weighted metric of your progress, which shows your overall advancement towards competency mastery.

To ensure a solid foundation, some competencies are marked as **prerequisites**, allowing you to test whether you have the necessary prior knowledge before continuing. An interactive **dependency graph** visualizes how all competencies are connected, helping you understand the structure and relationships between topics.



Based on your progress, [redacted] generates a **personalized learning path**, always suggesting the next most relevant task. But this is only a suggestion, you can freely **navigate**, keeping you in control over your learning pace and direction.

To support your time management, the system recommends **soft due dates** for reaching each competency that align with the lecture schedule, helping you to stay on track without strict deadlines.

Overall, the system empowers you to take charge of your learning with clear goals, personalized guidance, and flexible support.

I have experience with studying based on competencies in [REDACTED].

! Choose one of the following answers

- Yes
 - No
 - No answer

I am interested in using competencies in [redacted] in this course.

! Choose one of the following answers

- Strongly Disagree
 - Disagree
 - Neutral
 - Agree
 - Strongly Agree
 - No answer

When studying based on [redacted] competencies in this course, I expect to profit from ...

