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**COMPETENCY-BASED EDUCATION: SHIFTING THE FOCUS TO  
MASTERY**

***Abstract** Competency-Based Education (CBE) is an educational approach that focuses on students' demonstration of desired learning outcomes as central to the learning process. It differs from traditional education systems by emphasizing mastery of skills and knowledge, rather than time spent in a classroom. CBE is designed to ensure students achieve specific competencies or skills necessary for a particular job or academic field. This approach allows for personalized learning paths, as students progress at their own pace, providing a more flexible and efficient way to meet individual educational needs.*

***Keywords** Competency-Based Education, Mastery Learning, Personalized Learning, Skills Development, Educational Outcomes, Student-Centered Learning, Flexible Learning, Individualized Pace, Academic Proficiency, Professional Training.*

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**ОБРАЗОВАНИЕ, ОСНОВАННОЕ НА КОМПЕТЕНЦИЯХ:  
СМЕЩЕНИЕ АКЦЕНТА НА МАСТЕРСТВО**

***Аннотация** Образование, основанное на компетенциях (CBE) - это образовательный подход, который фокусируется на демонстрации учащимися желаемых результатов обучения как центрального элемента процесса обучения. Он отличается от традиционных систем образования тем, что делает акцент на овладении навыками и знаниями, а не на времени, проведенном в классе. Программа CBE предназначена для обеспечения того, чтобы учащиеся приобретали определенные компетенции*

*или навыки, необходимые для конкретной работы или академической области. Этот подход позволяет создавать индивидуальные траектории обучения, поскольку учащиеся продвигаются в своем собственном темпе, обеспечивая более гибкий и эффективный способ удовлетворения индивидуальных образовательных потребностей.*

***Ключевые слова** Компетентностное образование, Обучение мастерству, Персонализированное обучение, Развитие навыков, Образовательные результаты, Обучение, ориентированное на студента, Гибкое обучение, Индивидуальный темп, Академический уровень, Профессиональная подготовка.*

Competency-Based Education (CBE) represents a shift in the educational paradigm, focusing on the acquisition and demonstration of specific competencies or skills rather than traditional measures of learning, such as time spent in class. It is a learner-centered approach that allows students to advance based on their ability to demonstrate mastery in certain areas, regardless of the time it takes to do so. This approach is particularly relevant in a world where adaptability and specific skill sets are increasingly valued in both academic and professional contexts.

**Implementation in Educational Settings:** CBE involves setting clear, measurable learning outcomes, using varied instructional methods to help learners achieve these outcomes, and assessing students through performance-based evaluations.

**Role of Educators:** In CBE, educators act more as facilitators or coaches, providing support and resources tailored to each learner's needs and progress.

**Benefits for Students:** CBE allows for personalized learning paths, enabling students to progress at their own pace. It is particularly beneficial for students who need more time to master certain skills or who can advance more quickly through material they already understand.

**Challenges and Considerations:** Implementing CBE can be challenging, as it requires a shift in teaching methods, curriculum design, and assessment strategies. There is also a need for robust support systems and resources to effectively facilitate this approach.

**Impact on Education and Workforce Development:** CBE is seen as an effective approach to align educational outcomes with workforce demands, ensuring that students develop the skills and knowledge necessary for success in their chosen fields.

Competency-Based Education offers a transformative approach to learning, centered around the mastery of skills and competencies. It provides a more personalized and efficient way of learning, catering to the individual needs of students. CBE is increasingly relevant in today's fast-paced and skill-oriented world, both in educational institutions and professional training programs. As educational paradigms continue to evolve, CBE plays a crucial role in preparing learners for the challenges and opportunities of the future.

## References

1. Competency Works (2012). Making Mastery Work: A Close-Up View of Competency Education.
2. Sturgis, C., & Patrick, S. (2010). When Success is the Only Option: Designing Competency-Based Pathways for Next Generation Learning.
3. Le, V., Wolfe, R. E., & Steinberg, A. (2014). The Past and the Promise: Today's Competency Education Movement.
4. G Gulyamov, N Yu Sharibaev Influence of temperature on the semiconductor band gap. FIP PSE 9, 40-43, 2011
5. G Guliamov, N Yu Sharibaev. Determination of the density of surface states of the interface, the semiconductor-insulator in the MIS structure. FTP 45 (2), 178-182, 2011

6. G Gulyamov, IN Karimov, N Yu Sharibaev, U I Erkaboev. Determination of the Density of Surface States at the Semiconductor-Insulator Structures in Al-SiO<sub>2</sub>-Si and Al-SiO<sub>2</sub>-n-Si at Low Temperatures. Uzbek Journal of Physic 12 (3), 143-146, 2010
7. G Guliamov, N Yu Sharibaev. The temperature dependence of the density of surface states, determined by transient spectroscopy. Physical Engineering surface 8 (1), 53-68, 2010
8. Аъзам Абдумажидович Мамаханов, Шерзод Собиржонович Джураев, Носир Юсубжанович Шарибаев, Мухамадали Эркинжон Угли Тулкинов, Даврон Хошимжон Угли Тухтасинов. Устройство для выращивания гидропонного корма с автоматизированной системой управления. Universum: технические науки, 17-20, 2020
9. S Zaynobidinov, U Babakhodzhayev, A Nabiyev, N Yu Sharibayev. The mechanism of hole transport in photocells based on A-Si: H. International Journal of Scientific and Technology Research 9 (1), 2589-2593, 2020
10. Носиржон Юсубжанович Шарибоев, Шерзод Собиржонович Джураев, Анвар Мансуржонович Жабборов. Вейвлет-метод обработки кардиосигналов. Автоматика и программная инженерия, 37-41, 2020
11. Nosirjon Shariboev, Sherzod Juraev, Anvar Zhabborov. Wavelet method for cardio signals processing. Common Information about the Journal A&SE, 11, 2020
12. Г Г Гулямов, М Г Дадамирзаев, Н Я Шарибаев, Н М Зокиров. ЭДС, возникающая в —-переходе при воздействии сильного СВЧ поля и света. Физика и техника полупроводников 53 (3), 396-400, 2019
13. Gafur Gulyamov, Muhammadjon Gulomkodiurovich Dadamirzaev, Nosir Yusupjanovich Sharibayev. EMF of Hot Charge Carriers Arising at the pn-

Junction under the Influence of the Microwave Field and Light. Journal of  
Electromagnetic Analysis and Applications 7 (12), 302, 2015