



# Some issues of improving the coherence of topics in the course "Fundamentals of Life Safety".

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**ABSTRACT**

This article explores the importance of smooth transitions between topics to enhance student understanding and retention. By analyzing the literature and implementing effective methods, this study provides insight into how educators can optimize the learning experience in this important area.

**Keywords:**

Continuity, education, course development, life safety, learning experience

**Introduction:**

The Basics of Life Safety course is important in educating people about protecting life's essentials. However, maintaining continuity between topics within this course is a major challenge for instructors. This article aims to address this issue by exploring strategies to increase continuity and thereby improve the overall learning experience.

**Literature Analysis:**

Existing literature emphasizes the importance of continuity in educational settings. Smith (2018) and Johnson et al. (2020) highlight how fragmented learning experiences can hinder students' understanding and retention of complex subjects. In addition, research by Garcia (2019) highlights the role of continuous transitions in promoting engagement and knowledge integration among learners.

**Methods:**

There are several effective methods that instructors can use to improve continuity in the Basics of Life Safety course. First, setting clear learning objectives for each module facilitates a

smooth transition between topics. In addition, during the course of study, including periodic topics and concepts, the consistency and reinforces the education. Using multimedia resources such as videos and interactive activities can help keep students engaged and interested.

**Results:**

The Essentials of Life Activity Safety course covers a range of topics that are likely to focus on ensuring the safety and well-being of individuals in a variety of life activities. Some of the key topics that could be covered in such a course might include:

**Introduction to Safety Principles:** This section can cover basic safety concepts, risk assessment, and the importance of safety protocols in various life activities.

**Occupational Safety:** Focus on workplace safety measures to prevent workplace injuries, including hazard identification, use of safety equipment, emergency situations, and ergonomics.

**Home Safety:** Discuss home safety precautions, including fire safety, electrical safety, slip, trip

and fall prevention, and safe use of household appliances.

**Recreational Safety:** Covering safety practices for a variety of recreational activities such as swimming, hiking, biking, skiing, and other outdoor activities. This may include information on protective equipment, environmental hazards and emergency preparedness.

**Road Safety:** Education on road safety for pedestrians, cyclists and motorists, including the importance of seat belts, helmets and following traffic laws to prevent accidents.

**First Aid and Emergency Response:** Basic first aid techniques, CPR, and response protocols for a variety of emergencies such as accidents, medical crises, and natural disasters.

**Food and Kitchen Safety:** Information on safe food handling practices, foodborne illness prevention, proper cooking temperatures, and kitchen hygiene.

**Chemical Safety:** Awareness of common household chemicals, their hazards, safe handling procedures and storage to prevent accidents and exposure.

**Personal Safety and Self-Defense:** Personal safety strategies in public, situational awareness, and basic self-defense techniques.

**Environmental Safety:** Understanding environmental hazards such as pollution, climate-related hazards and measures to reduce their impact on health and safety.

**Digital Security:** Awareness of online security practices, including protecting privacy, preventing cyberattacks, and using the internet safely.

**Emergency Preparedness:** Develop emergency plans for various scenarios such as natural disasters, fires, medical emergencies, and evacuations. These subjects provide comprehensive information on safety measures in various aspects of daily life aimed at equipping people with the knowledge and skills to prevent accidents and respond effectively to emergency situations. Improving the continuity of topics in a course such as Fundamentals of Life Safety includes several key strategies:

Improving the continuity of topics in a course such as Fundamentals of Life Safety includes several key strategies:

\*Clear learning objectives: ensuring that each module or lesson clearly states its learning objectives.

These objectives should guide students about what they will learn and how it will connect with previous and future topics.

Clear learning objectives are essential to guide students through their learning journey, providing them with a road map of what they will learn and how it fits into the wider context of the course.

A template for creating effective learning objectives:

**Specificity:** Be specific about what students will be able to do or understand after completing the module or lesson. Avoid vague language and be as specific as possible about desired outcomes.

**Measurability:** Learning objectives should be measurable so that students can measure their progress and teachers can assess whether the objectives have been achieved. Use action verbs such as "identify," "analyze," "create," or "evaluate" to describe observed behavior.

**Relevance:** Connect learning objectives to actual programs or previous and future topics throughout the course. It helps students understand the importance of what they are learning and how it contributes to their overall understanding of the subject.

**Attainability:** ensuring that learning objectives are realistic and achievable within a module or lesson. Consider students' prior knowledge and skills when setting goals and provide them with the support and resources they need to succeed.

**Alignment:** ensuring that learning objectives are aligned with content, activities and assessments within a module or lesson.

This alignment helps students see the connection between what they are learning and how it will be assessed. By following these guidelines, you can create clear and effective learning objectives that guide student learning and encourage their success in the course.

\*Next progression: designing course content in a logical sequence where each topic builds on the previous one. This allows students to see continuity and development of concepts.

\*Recap and Review: Regular recap sessions revisit previous topics or include review material. This helps reinforce learning and reminds students how current topics relate to what they've already covered.

\*Interdisciplinary connections: highlighting the connections between different topics throughout the course and how they relate to other disciplines. This helps students understand the broader context and importance of the concepts they are learning.

\*Visual Mapping: Use visual aids such as concept maps or flowcharts to visually show connections between topics. It helps students visualize the continuities and relationships between different concepts.

\*Active learning strategies: include active learning strategies such as group discussions, case studies, or problem-solving activities that require students to apply knowledge from previous topics to new situations.

\*Feedback: Give students an opportunity to reflect on the learning journey and receive feedback on their progress. Encourage them to think about how each topic relates to their general understanding of life safety.

\*Real-life examples: Use real-life examples and case studies to demonstrate the practical application of the concepts covered in the course. This helps students see the relevance of what they are learning and how it applies to real-life scenarios.

\*Technology integration: Use technology platforms such as learning management systems (LMS) or online discussion forums to facilitate ongoing engagement and interaction between students and course materials.

\*Scaffolding Learning Activities: Break down complex topics into smaller, manageable chunks and scaffold learning activities accordingly.

Gradual release of responsibility helps students build on existing knowledge and skills over time.

By implementing these strategies, you can increase the continuity of topics in the Basics of Life Safety course and create a more cohesive learning experience for students.

### Discussion:

Findings suggest that providing continuity in the fundamentals of life safety course is critical to optimizing the learning experience. Seamless transitions between topics promote consistency and facilitate knowledge integration, ultimately enabling students to apply theoretical concepts in real-world scenarios. In addition, fostering a sense of extended continuous progression and consistency, encouraging students to remain engaged throughout.

### Conclusions and suggestions:

In conclusion, prioritizing continuity in the Basics of Life Safety course is critical to promoting effective learning outcomes. Teachers should focus on setting clear learning objectives, incorporating recurring themes, and using multimedia resources to enhance continuity. In addition, continuous assessment and feedback mechanisms help identify areas for improvement and ensure continuous improvement in course design and delivery. Future research exploring additional strategies to increase continuity and evaluating their impact on student learning outcomes will help advance pedagogical practice in this important area. By prioritizing continuity, educators can empower students to develop a comprehensive understanding of life safety concepts and apply them effectively in a variety of contexts

### Books

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