Learning Through Case Studies in Higher Education

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The use of case studies in the classroom offers an experiential and active approach to learning. Case studies increase student engagement by providing a foundation for applying theoretical concepts to real world situations. Students may achieve higher learning potential through reflection, discussion, and possible debate of various outcomes and solutions within a case study. Experiential learning through case studies allows students to take an active role in learning rather than a passive role. This paper will explain how case studies are effective in achieving learning goals in the classroom. Additionally, a detailed outline of a model that can be used to analyze a case in any discipline will be presented.

Keywords: experiential learning, case studies, engagement, active learning

INTRODUCTION

An increasing concern exists in education as to how students are best able to acquire, create, apply, and share knowledge (Robertson, 2018). A shift is occurring from a traditional classroom to a more interactive course design (Cho et al., 2021). Active learning strategies may be used in higher education to increase student engagement and meet the demand for higher levels of interaction.

Active learning strategies provide a student-centered learning approach where the learner is directly involved in the process and critically thinks through their actions (Hernández-de-Menéndez et al., 2019). According to Huda et al. (2016), active learning occurs when students actively engage in understanding concepts through various activities. Although frequent calls for more student-active learning exist, studies show that teaching remains largely traditional and teacher-centered (Børte et al., 2023).

Case study analysis in the classroom can be considered a form of active learning. According to Meyers and Jones (1993), case studies are considered a teaching tool that allows students to apply what they are learning. Students may work together on a case analysis, consider alternatives, and form well thought out and logical solutions to solve the case. Therefore, the use of cases in the classroom may increase learning.

PURPOSE

A common challenge in higher education is that lecture-based teaching may encourage passive learning and is not in line with current needs (Roberts, 2019). Therefore, the field of higher education has been facing challenges to shift from traditional instruction practices to a more student-centered direction (Hartikainen et al., 2019). According to Qureshi et al. (2023), active and collaborate learning should be used in higher education as it has an impact on academic development. This paper provides an outline of
how to use case studies as an active learning strategy for classroom implementation. The use of case studies may create a more in-depth evaluation of ideas, which may lead to increased student learning.

LITERATURE REVIEW

Theoretical Foundation
The constructivist theory has created changes to teaching methods in higher education. The student centered “constructivist” approach is based on active learning (O’Connor, 2022). Hein (1991) indicated that the constructivist learning theory revolves around the concept that learners construct knowledge and meaning for themselves. Constructivism allows students to use their own prior experiences and knowledge to enhance learning. Learners are able to create meaning that applies to content, and new learning builds on prior knowledge (Cooperstein & Kocevar-Weidinger, 2004).

According to Sasan and Rabillas (2022), the constructivist learning theory continues to progress as one of the most fundamental teaching theories in education. The implications of constructivism on how instructors teach and learn to teach are vast (Bada & Olusegun, 2015). Active learning activities lead to construction of meaning in a constructivist classroom (Cooperstein & Kocevar-Weidinger, 2004). According to Dangel et al. (2004), active learning creates purposeful interactions and engagement in the activity. Therefore, increased knowledge about active learning strategies is purposeful.

Benefits of Active Learning
Active learning is becoming common practice in higher education. According to Hernández-de-Menéndez et al. (2019), active learning allows the learner to be directly involved in the learning process. Active learning strategies may involve experiential and learner centered activities (Howell, 2021). The value of active learning methods must be understood by higher education institutions and promoted in their practices (Ribeiro-Silva et al., 2022).

Prince (2004) indicated that a broad support for the core elements of active, cooperative, collaborative, and problem-based learning exists. Students who learn through an active learning approach are better prepared to handle problems upon entering the work force (Hernández-de-Menéndez et al., 2019). According to Bredow et al. (2021), active learning strategies are superior to lecture based learning for creating a range of academic and satisfaction outcomes. Overall, students may enjoy taking a leading role in their learning.

Case Studies in the Classroom
Case based learning is an instructional methodology that has gained popularity across many disciplines. McLean (2016) suggested that integrating cases into the learning process may result in a deeper learning. The case study method allows students to solve real world problems within a classroom environment (Dowd & Davidhizar, 1999). Integrating cases studies into the learning environment may create a problem-solving structure of learning rather than the teacher centered lecture method.

Many benefits exist as far as using case studies in the classroom. The use of case studies as a teaching method engages students and develops critical thinking skills (Herreid & Schiller, 2013). Additionally, students are able to link course theory to practice with case-based learning (Lee, 2007). According to Herreid (2005), students demonstrated improved learning when case studies were used.

CASE STUDY MODEL
Instructors may realize increased benefits when using case studies for learning in the classroom. According to Bruner et al. (1999), a clear outline is necessary for effective learning when using case studies in the classroom. The case study model in Table 1 below is an example of an outline that can be used in the classroom.
TABLE 1
CASE STUDY MODEL

<table>
<thead>
<tr>
<th>Case Study Steps</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summary</td>
<td>Provide an overview of the case.</td>
</tr>
<tr>
<td>Problem Identification</td>
<td>Identify the problem within the case.</td>
</tr>
<tr>
<td>Identify Decision Criteria with Weights</td>
<td>Identify the criteria that will be used to create the recommendations.</td>
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<tr>
<td></td>
<td>Assign weights to the criteria.</td>
</tr>
<tr>
<td>Alternative Solutions</td>
<td>Identify alternative solutions.</td>
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<tr>
<td></td>
<td>Consider what might be possible under different circumstances.</td>
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<td></td>
<td>Evaluate each alternative solution.</td>
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<td></td>
<td>Rate alternatives against the criteria and multiply by weightings.</td>
</tr>
<tr>
<td></td>
<td>Complete the decision matrix.</td>
</tr>
<tr>
<td>Recommend Solution with Justification</td>
<td>Identify the best course of action that should be taken to resolve the issue.</td>
</tr>
<tr>
<td></td>
<td>The solution should be chosen based on the criteria that was identified.</td>
</tr>
</tbody>
</table>

FINDINGS

A review of literature suggests that students are highly motivated to learn through active learning techniques. An active learning approach promotes a deeper and more meaningful learning experience (Mshayisa, 2020). Owens et al. (2020) indicated that active learning may also enhance students’ attitudes, interest, creativity, and motivation.

Motivation is a key factor in learning (Borah, 2021). Instructors must identify educational techniques that may increase motivation within students (López-Fernández et al., 2019). According to Owens et al. (2020), studies show that active learning may enhance student attitudes and motivation. Motivation may be increased due to the collaborative setup and greater ownership in the active learning model (Mikalayeva, 2016).

Students are stakeholders in their education, which makes their perceptions of the learning process important (Elaine Gioiosa & Kinkela, 2019). According to Mshayisa (2020), a call exists in higher education to incorporate active learning experiences that allow students to be more engaged so that they are more interested in learning course material. Therefore, integration of case studies into the classroom may increase student learning satisfaction.
CONCLUSION

Curriculum implementation should be centered around motivating the learner to learn (Borah, 2021). Huda et al. (2016) indicated that students have positive attitudes toward active learning strategies and more negative attitudes for traditional learning strategies. Therefore, instructors should implement more active learning strategies in the classroom.

A growing demand exists for skilled facilitation of active learning strategies (Pedler & Abbott, 2008). Implementing case studies is a flexible approach to active learning that can used in any discipline and easily integrated into the classroom. Case studies are an effective active learning strategy to create learner empowerment, participation and decision making.

REFERENCES


