

Review of article

How to improve and evaluate learning environment?

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Ideal learning environment is a corner stone of learning process. It should be real world and relevant to learning process. It improves cognitive ability of students and helps students to think and create. Good learning environment provides enthusiastic and innovative students. It develops self confidence, self esteem, spirit of cooperation in the team and belonging. Student becomes more physical active and more healthy in an effective learning environment. Integration between learning environment and curriculum increases engagement of student in the learning process and then it improves student achievement. There are many dimensions which formulate to make the scope of learning environment which is a composite of materials (physical environment) and human practices (living things). These dimensions are learning resources, technology and means of teaching, modes of learning and connections to societal and global contexts, human behavioral and cultural dimensions.

Environment is an ecosystem which means the surroundings and its effects on who lives in it. Learning is a process of getting and storing the information and then using it. Learning environment is a virtual or physical sitting which affects growth and development of learner involved in an educational process. It is a constructivist issue and has essential elements such as social, cultural, psychological and physical components. Characters of building and classroom, spaces, seating and its arrangement and other furniture, noise, light and temperature represent physical elements. Individual characters, interpersonal and group relationships represent psychological and social elements. Beliefs and values represent cultural element.

Good learning environment means good educational climate which consists of physical and psychological components and then enjoyment of learning. There many types of learning environment depending on different scientific terms such as inclusive learning environment which means school or classroom because students learn in the same place or conducive learning environment which makes learning more easy and enjoyment for students. Organizing environment is one of main components of learning environment. It consists of politics, economics, technology, culture and geographical setting. Some of educators referred to efficacy

of social and emotional elements of school or class as positive or negative learning environment. Learning environment has direct and indirect effect on learning process of students. It motivates them to learn, provides them the sense of well-being and personal safety, and helps them to interact with teacher and with each other. More efficient and suitable educational environment leads to more motivation and concentration of learner.

Main components of efficient educational environment are identification and respect of the learner's needs, motivation of learner participation, personal safety, and sense of belonging, self esteem, praise and rewarding beside the integration with physical and physiological issues. It is an efficient because it leads to relaxed, good pay attention of learner and teacher .The relevance of curriculum design and learning environment is an important link for successful educational process. Educational and organized environment determine the behavior of learner and teacher in medical school and embrace everything that is occurred in the medical educational organization. Course designer determine aims, objectives, teaching methods and assessment of course according to learning environment. He should be aware of facilities and challenges in learning environment to build his course according to it.

Tips for improving the learning environment of students

- 1- Create an environmental motivation system to keep attention of students and improve knowledge understanding of students
- 2- Improve physiological needs of student such as feeding.
- 3- Improve safety of learning environment (exclusion of humiliation, harassment and disclosure of personal details are main elements of safety)
- 4- Improve sense of belonging in the group (exclusion of marginalization and ignored feeling of learner to maintain belonging of learner)
- 5- Develop self esteem of learner through feeling of value, praise and appreciation.
- 6- Keeping of self actualization is a main element for ideal environment.
- 7- Build learning process relevant to motivation issues such as immediate needs (work or certificate)
- 8- Improve qualification of facilitator (teacher) such as action, attitude and enthusiasm.
- 9- Improve setting of learning such as furniture and other equipments.
- 10- Respect the learner's needs for encouragement of learner participation.

- 11- Build course curriculum related to teaching methods of learning environment and needs of learner.
- 12- Create curriculum with authentic contexts
- 13- Develop and encourage learner responsibility through initiation of decision making and mutual feedback between learner and teacher.
- 14- Develop learning activities which depends on thinking process to provide rich knowledge.
- 15- Evaluate progress of learner by using realistic tasks.
- 16- Respect students view of teaching and teachers.
- 17- Improve the culture (beliefs and values).
- 18- Develop an environmental quality scale for measuring organized context.
- 19- Improve and evaluate performance of organization team work.
- 20- Structure, support and collaboration of each person are main dimensions of enriched learning environment.

Learning Environment Evaluation Checklist
Clinical skills course (skill lab)

Items	Excellent 3	Good 2	Satisfactory 1	Non Satisfactory 0
1- Building of skill lab is suitable for clinical training of skills.				
2- The space of training area (classroom) is suitable for training.				
3- Ventilation of the training area (classroom) is suitable.				
4- The training area (classroom) has suitable comfortable seats.				
5- The training area (classroom) has a suitable light.				
6- The training area (classroom) has an air-condition.				
7- The training area (classroom) is calm and away from the noise.				
8- Number of manikins of training is enough for clinical skills training.				
9- Manikins of training are suitable for clinical skills training.				
10- All tools and equipments of training are enough for clinical				

skills training.				
11- Checklist of skill steps is enough clear for your skill training.				
12- The starting time of skill lab sessions is suitable.				
13-Duration of skill lab sessions enough for your training.				
14- The trainer can conduct knowledge clearly to you.				
15- The trainer of skill lab sessions is a cooperative				
16- Performance of trainer during skill lab sessions.				
17- Your communication with trainer.				
18- Communication and cooperation with your colleagues in your training group.				
19 - Enjoyment during training sessions of skill lab.				
20- Performance of administration team work of skill lab.				
21- Curriculum of skill lab is comprehensive and flexible according to every educational module.				
22- Curriculum of skill lab is suitable to graduate physician.				
23- Development of Curriculum of skill lab is observed				
24- Outcomes of clinical skills curriculum are clear.				
25- Curriculum of skill lab meets your clinical needs.				
26- Schedule of skill lab sessions is an appropriate.				
27- Training program of skill lab is competent.				
28- Learning process of skill lab sessions is trainee-centered				
29- Your participation in skill lab sessions.				
30- Atmosphere of skill lab sessions.				
31-Learning process of skill lab develops your confidence.				
32-Learnig process of skill lab sessions is motivated.				
33- Learning process of skill lab sessions adopts a constructive criticism.				
34-Learning process of skill lab sessions provides self confidence.				
35- Learning process of skill lab sessions is professional process.				
36- Social comfortable feeling during skill lab training sessions.				
37- Concentration during skill lab training sessions.				
38- Skill lab training sessions are boring for you.				
39- Your adaptation with skill lab training sessions.				
40- Alternative feedback between trainer and trainee during skill lab sessions.				

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