

Assuring Standards and Quality of Higher Education: Teaching and Learning

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Objectives and Measurements

- to investigate the effectiveness of teaching methods on students' academic performance and to understand what measurements that someone could apply to improve the learning process.
- Measurements:
 - Various qualities of the teacher
 - Feedback from Students
 - Learning Resources

Qualities of the Teacher

1. Passion for the subject matter
2. Interested in student learning
3. Encourages students to express themselves
4. Seeks student commitment; calls them by name
5. Makes the subject matter relevant to “life”

Qualities of the Teacher

6. Involves students in the subject matter
7. Flexible in the class, not afraid to deviate from the lesson plan to maintain student interest
8. Explains things multiple times in multiple ways
9. Nurtures independent thinking among students

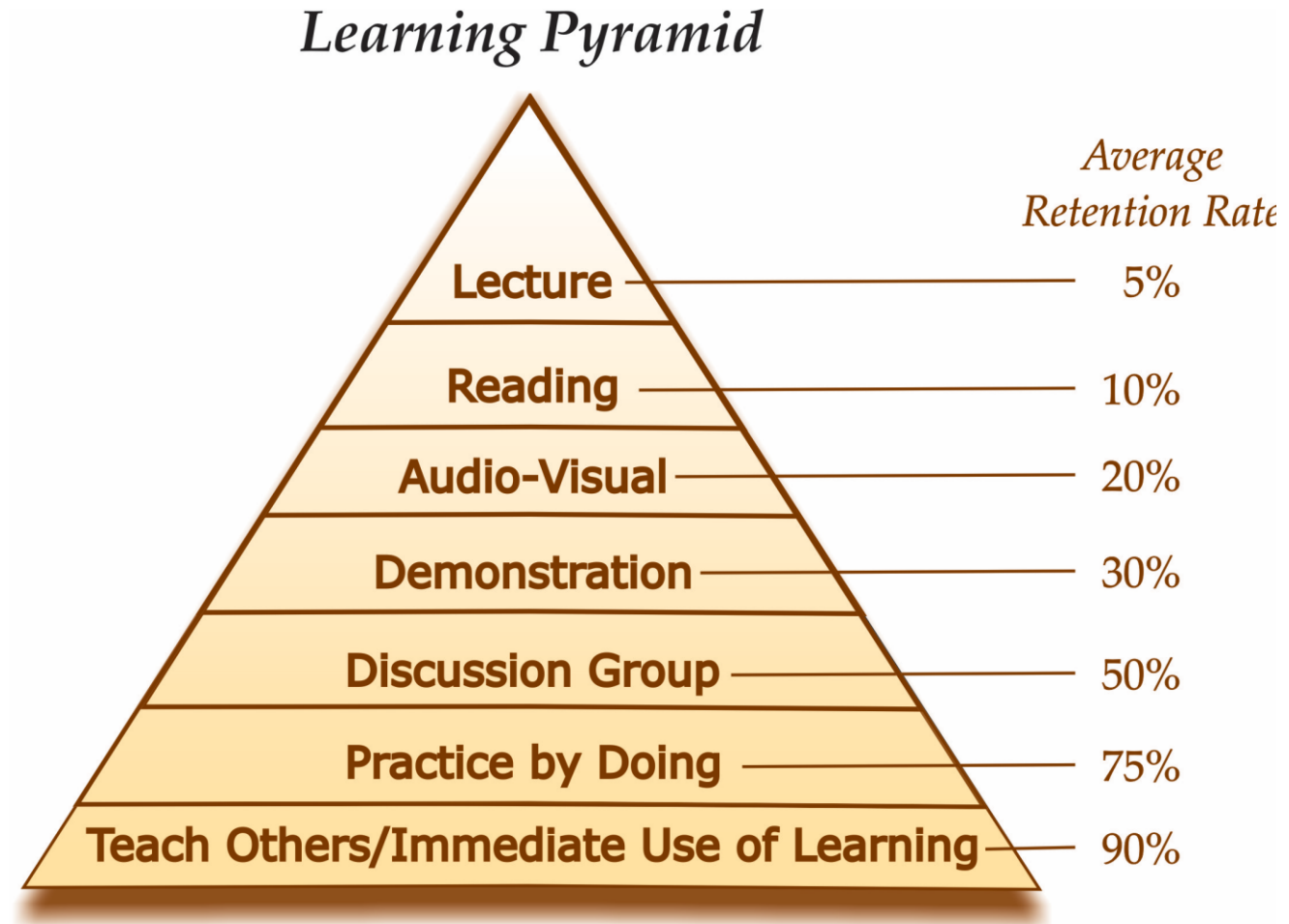
Teaching Methods

- Lectures
- Group Discussions
- Individual Presentations
- Assignments
- Presentations
- Workshops
- Seminars
- Role Play
- Case Studies

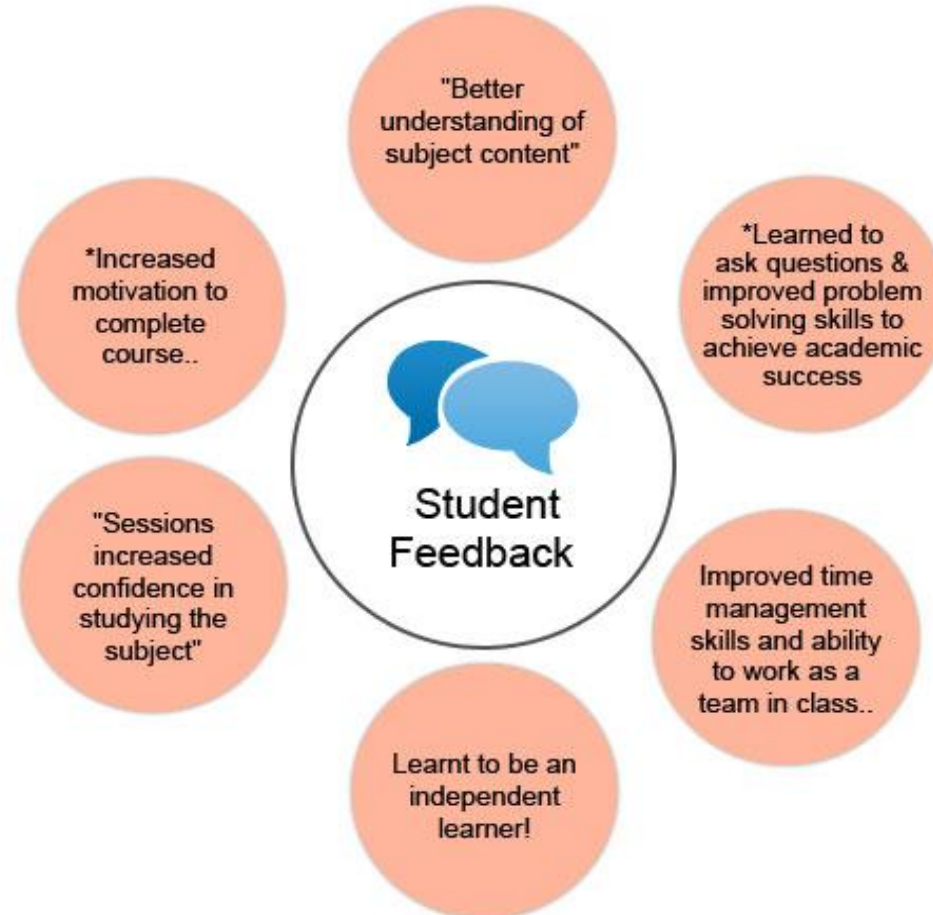
Teaching Methods

Teaching Methods	Rating (%)				
	1	2	3	4	5
Lecture Method	16	8	0	36	40
Group discussion	16	8	24	16	36
Individual presentation	24	20	12	24	20
Assignment	8	24	40	16	12
Seminars	22	25	16	25	12
Workshops	11	25	24	24	16
Role play	11	25	12	36	16
Case study	1	12	24	23	25

Learning Pyramid



Student Feedback & Peer Observation



Sample Student Feedback Form

The number 1 - 5 correspond to the statement:

- 5 - Strongly agree
 - 4 - Agree
 - 3 - Neither agree nor disagree
 - 2 - Disagree
 - 1 - Strongly disagree
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- | | | | | | |
|--|---|---|---|---|---|
| a. The lectures helped to improve knowledge | 5 | 4 | 3 | 2 | 1 |
| b. The lecturer was confident in teaching the subject. | 5 | 4 | 3 | 2 | 1 |
| c. The methods of teaching adopted were good
(lectures, discussions, presentations, tutorials etc.) | 5 | 4 | 3 | 2 | 1 |
| d. The teaching aids were used effectively during the lecture
(white board, overhead projector, handouts, slides, specimens etc.) | 5 | 4 | 3 | 2 | 1 |
| e. The lecture was conducted at all acceptable speed. | 5 | 4 | 3 | 2 | 1 |
| f. The lecturer encouraged questions by students and discussed them. | 5 | 4 | 3 | 2 | 1 |
| g. The lectures were clear and interesting. | 5 | 4 | 3 | 2 | 1 |
| h. The lecturer was punctual. | 5 | 4 | 3 | 2 | 1 |
| i. The classes were conducted as indicated in the time-table. | 5 | 4 | 3 | 2 | 1 |
| j. The lecturer's attitude towards students is acceptable. | 5 | 4 | 3 | 2 | 1 |

Sample Outcome of Student Feedback

Lecturer Name:

Course Name:

Student	Question Number										Grading for the Course	Average
	a	b	c	d	e	f	g	h	i	j		
1	5	5	4	4	4	5	5	4	5	5	5	4.60
2	4	3	4	4	4	4	4	4	4	5	4	4.00
3	5	4	4	5	4	4	5	4	4	4	5	4.30
4	5	5	5	4	5	5	5	4	5	4	4	4.70
5	4	4	4	4	4	5	4	5	5	5	4	4.40
6	5	5	5	5	5	5	5	5	5	5	5	5.00
7	5	5	5	5	5	5	5	5	5	5	5	5.00
8	5	5	5	5	5	5	5	5	5	5	5	5.00
9	3	3	2	3	4	3	2	5	5	3	3	3.30
10	5	5	4	5	5	5	5	5	5	5	5	4.90
11	4	4	4	4	3	4	3	3	3	4	4	3.60
12	4	5	4	3	4	4	4	5	5	4	4	4.20
13	5	5	4	5	4	4	5	5	4	5	4	4.60
14	5	5	3	4	5	5	4	5	5	5	4	4.60
15	5	5	5	5	5	5	5	5	5	5	5	5.00
16	5	5	5	5	5	5	5	5	5	5	5	5.00
17	5	5	5	4	5	4	5	5	4	5	5	4.70
Average	4.65	4.59	4.24	4.35	4.47	4.53	4.47	4.65	4.65	4.65	4.47	
4.52												

Average	Rating
= > 4.75	Excellent
-	Very Good
3.50 – 3.99	Good
3.00 – 3.49	Satisfactory
< 3.00	Needs Improvement

Average: 4.52
Grading: Very Good

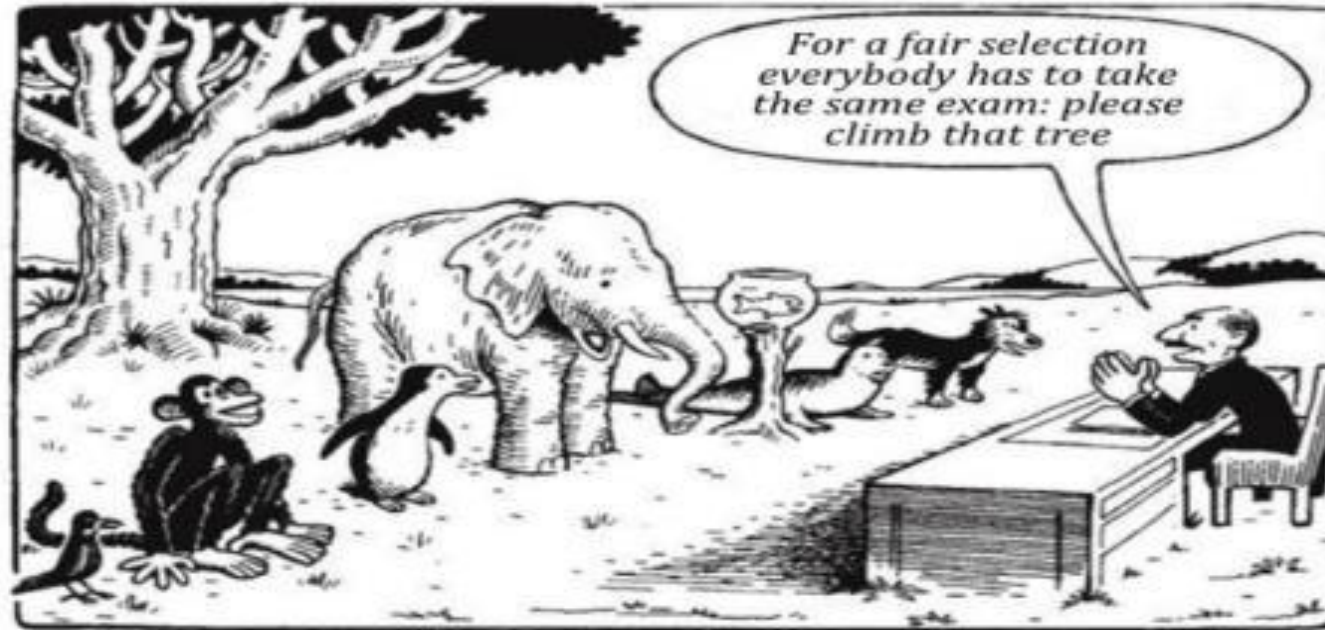
Other Good Practices to improve Teaching

- Subject Benchmark
- Codes of Practice
- Curriculum Revisions
- Staff Development Training
- Research and Publications

Learning Styles of Students

#	Student Name	Auditory	Visual	Tactile	Overall	
1	Charuni	40%	25%	35%	AUDITORY	7
2	Pathumi	55%	15%	30%	AUDITORY	
3	Kujajini	45%	30%	25%	AUDITORY	
4	Niroshan	45%	25%	30%	AUDITORY	
5	Vidhuja	45%	30%	25%	AUDITORY	
6	Pamudini	50%	30%	20%	AUDITORY	
7	Chethana	35%	35%	30%	AUDITORY/ VISUAL	
8	Prabodha	35%	35%	30%	AUDITORY/ VISUAL	
9	Ravindu	35%	30%	35%	AUDITORY/ TACTILE	1
10	Nuwan	25%	35%	40%	TACTILE	1
11	Anjala	35%	45%	20%	VISUAL	8
12	Yashodhara	35%	45%	20%	VISUAL	
13	Milinda	25%	50%	25%	VISUAL	
14	Lakshan	20%	60%	20%	VISUAL	
15	Ruwanthika	35%	65%	-	VISUAL	
16	Siyam	40%	45%	15%	VISUAL	
17	Dinusha	20%	60%	20%	VISUAL	
18	Hasini	10%	60%	30%	VISUAL	

Assessing of Students



Our Education System

"Everybody is a genius. But if you judge a fish by its ability to climb a tree, it will live its whole life believing that it is stupid."

- Albert Einstein

Conclusions

- Learning is more effective if the students are tasked to perform rather than just asked to remember some information
- Students build a better understanding of the main concepts more effectively when they are engaged to solve problems
- Measurements are there to estimate the balance between teaching and learning
- It is also a responsibility of the teacher to engage in research