

Teaching Methods

Teaching methods:

They are used by the teachers to help the students achieving the ILOs of the course.

They include:

- 1. Lecturing**
- 2. Discussions**
- 3. Group work**
- 4. Using case studies**
- 5. Managing science labs**
- 6. Teaching with technology**

Lecturing

- ❖ Lecturing is often equated with university teaching.
- ❖ Given that students' attention span is around 15-20 minutes long and university classes last 50-75 minutes, one needs to do something to control their attention, that's why lectures should be punctuated with periodic activities

Discussion

- ❖ **The goal of a discussion is to get students to talk purposefully about the course material.**
- ❖ **The role of the lecturer becomes that of facilitator. He/She moderates the discussion rather than convey information.**

Science Labs

- ❖ Science labs can be among the richest experiences students have at the university. It is one of the few opportunities students will have to practice science much in the way professionals do.
- ❖ In order for labs to be effective, students need to understand not only how to do the experiment, but why the experiment is worth doing, and what purpose it serves for better understanding a concept, relationship, or process.

Teaching with the Case Method(s)

- ❖ Cases are situations or statements that present unresolved issues.
- ❖ As teaching/learning tools, cases challenge participants to analyze, critique, make judgments and express reasoned opinions.
- ❖ Cases are important for bringing real world problems into a classroom or a workshop - they ensure active participation and may lead to innovative solutions to problems.

Group Work

- ❖ Having the students work in a group encourages discussion among the students.
- ❖ Breaking students up into groups not only builds and develops social skills useful in the professional environment for which they are training, but it is also an important way to make a positive difference in learning at the college level.

Technology for Teaching

- **Video and films**
- **Slides**
- **Chalkboard or marker board**
- **Presentations with computers**
- **Communication Technology**

Linking Teaching Methods with ILOs

- ⇒ **Knowledge and understanding** of a subject is often developed through direct teaching methods (e.g., lectures), which are usually supported by study of textbooks and articles.
- ⇒ **Intellectual skills** may be achieved through lectures as well as active learning processes involving assignments or projects, case studies, group-learning activities (e.g., seminars or discussions), as well as field-based activities.

- ⇒ **Practical/Professional skills** are usually developed through opportunities to practice the activity in an appropriate learning context, (e.g. in laboratory, computer lab, field, or workplace placement); or using case studies.
- ⇒ **Transferable skills** can be developed through active learning processes (e.g., assignments, projects, group discussions, presentations, seminars, case studies, laboratory or field-based activities); as well as extra-curricular activities (e.g., work experience, student representative work, social and cultural activities).

Thank You