

Q. no 1,,

Ans,,

Task : Short term course design

Audience : Engineering faculty

Level : Experienced (5 years)

Program outcomes:

- Students be able to enhance their teaching art.
- Students be able to facilitate Transition from Traditional to modern teaching.

Day 1 : Instructional methods objectives

objective : Students be able to select most feasible and appropriate ~~method~~ ^{objectives} of instruction.

Session 1 - Fundamentals of Instruction

objective - To know about the fundamentals of Instruction

Outcome - The expected outcome of this session is to make the students aware about various ~~methods~~ ^{of} Instruction fundamentals.

Handout Survey : ~~are~~ were they knowing it before
were they applying it before
Do they feel this will enhance teaching.

Session 2 -

Instructional objectives fundamentals

objective - To make them aware about the fundamentals to be consider while selecting the objectives of Instruction.

Methodology - An equation be raised from the class and ask students what is the objective of this equation.

Session 3 - Long term and short term objectives.

objective - To make students aware about visible and invisible objectives of Instruction.

Method :- To ask students the long term and short term objectives of the previous equation.

Session 4: objectives delivery

object: To be able to deliver the objectives of the instruction effectively

Method:-

Picking up varying objectives from the class and making an ideation session how will we meet the objectives of instruction.

Making selection of proper method, strategy and makeup of the lecture.

Day 2: Instructional methods

objective - To make the students aware about the various methods of instruction.

Session 1: Basics of instructional methods

objective - To make students aware about the basics of instructional method and strategies.

Method - Survey through slides

Task - Narration of any ~~strong~~ concept from the class and selection of instructional shortcomings.

Session 2: Survey of ongoing instructional methods in the world

objective - To make students up to date updated with the techniques, tools and methods of instruction practised in the world with good results.

Method - Survey slides

Task - Select the instructional method for the concept you discussed in the previous session.

Session 3: Impact and marks of Instructional methods.

Objective:- To make students understand the importance of proper instructional methods and its impact.

Method:- Task-a fine speech in a very unwarm language.

- A kiddish concept with a complex instruction.

Session 4: Instruction method Selection

Objective- To make students select the suitable method of instruction for a suitable thing.

Method- Teaching importance of proper instructional method.

- Using of black board to teach students driving or singing or dancing etc.

- Give a task for selection of proper method

Day 3: Planning, Preparing and delivering a good lecture

Objective- To be able to manage time and resources well.

Session 1: Lecture Planning

Objective: Students be able to plan a lecture effectively with proper time, material and resources for each session.

Method- Task to design a lecture to teach Linear equations to a class in 30 min.

Session 2: Lecture Preparation

objective - students be able to ~~prepare~~ prepare the lecture content effectively.

Method - Understanding the chronology of Topic to be delivered.

And plan the phases for student engagement and taking questions.

An effective preparation which will include the step by step plan for delivery.

Session 3: Delivery of Lecture & Evaluating and assessing the performance.

objective - student be able to deliver the already prepared material for lecture effectively. and check the effectiveness.

Method - Task to design a lecture for 30 min. with doubt clearance and student engagement too. and enlisting the points for effective delivery.

Session 4: What a Good Lecture holds / feedback.

objective :- To make students able to understand a standard.

Method -

Handouts of sample lectures to be distributed for modification and making it a better lecture.

Then Highlighting the points that are required for a good lecture.

The Proposed STC will meet the requirements of the director NIT in the following ways:

(i)

Program outcomes

- Students be able to understand the fundamentals of instruction.
- Be able to apply the suitable method for lecture delivery
- Be able to plan the lecture taking in view the prior preparation, time management, technology usage, student engagement.
- Be able to deliver and prepare with global standard.

~~Assessment~~
Not continued

Q.no.2

Ans,

Topic - Content delivery
Time - 90 min.

1- Introduction. (10 min)

What is content.

Does delivery play a role in understanding.

The combination of
- Content
- delivery

How could we make it effective and fruitful.

2- Have you ever visited an inaugural ceremony. (Example - motivation) (10 min)

If you have to cut the ribbon and the cutter be served to you in a water bottle?

ok! too big sword.

ok! a lil knife.

ok! a hacksaw blade.

3- So, we understood.

Right thing at right place. 30 min.

4- Now, here is a task (Practice Problem)

Plan a lecture and its delivery to grade 11

The topic is thermodynamics.

- what will we do.

- Content
- practice example
- Industrial application
- Doubt clearance.
- Handout
- Homework.
- material for reading for next lecture.

- Group discussion

- Activity

The order will flow like this:

System → Surrounding → boundary
open system → closed → Isolated.

first Law of thermodynamics



Practice problem.



Industrial application



Handout.

→ Pair learning for a complex problem.

Now, what do you think will make my lecture more efficient? (7min)

Am i delivering my content effectively?

Suggestions.

(30 min)

What about this

am i following.

Student Prior knowledge

motivation

- Content presentation
- Student engagement
- Doubt clearance
- Practice problem.
- Industrial application
- Guest for follow up lecture.

Ok, Thank you.

Next, we will be learning the delivery methods.

Ver's hops

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A.no.3,
Ans,

Topic - Evaluation and Assessment

Time - 90 min.

Introduction - (10 min)

Why do we evaluate

- To check the effectiveness of the delivery
- To check the student performance.

→ Evaluation Vs Assessment (Objective) (10 min)

Please respond as right side people group A,
left side people group B.

What is the necessity of evaluation,
How is assessment necessary?

OK!

Assessment

Summative Vs formative. (Objective) (10 min)

Which one is more effective.

Does engagement is related to progress.

OK!

You have two actors, evaluate the dressing
sense. (20 min)

Guidelines for evaluation are 'good looking'

Show your results.

Were there any personal bias. (10 min)

Evidently, there is a personal bias of your choice.

Then, is evaluation Uniform?

Evaluation depends on your understanding and their delivery.

ok!

Does evaluation really tests understanding.
Depends on sample questions. (20 min)

ok!

Now,

what is relevance between evaluation and assessment and cognitive development.

Does it triggers.

What we understood now! (10 min)

For learning a standard assessment is necessary for diagnosis and development and rectification.

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Q.no.4,,

Ans,, (i) The instructional objective must include.

- (i) Practical connection (Understanding)
- (ii) Curriculum completion
- (iii) Time management
- (iv) clear language.

(ii) Instructional method must be related (Understanding)
to

- (i) Subject matter
- (ii) Content chronology
- (iii) Available technology
- (iv) Teacher ability.

(iii) The sum of term, endsem and class
quiz is the type of assessment (remembering)

- (i) Continued
- (ii) Real time
- (iii) Summative
- (iv) Formative.

(iv) Which Among the following describes (remembering)
of lecturing the content

- (i) Soft skills.
- (ii) Presentability
- (iii) Planning and material
- (iv) All the above.

(v) Flipped classroom is applicable if the content delivery include

(i) Equations

(ii) Theory

(iii) Graphical representation

(iv) Programming.

(Higher order skills)

(vi) Instructional method is much related with the

(i) Scientific exp.

(ii) Computation

(iii) Drawing

(iv) All.

(Higher order skills)

(vii) Rearrange in the order - which order?

(i) Content

(ii) Evaluate

(iii) Delivery

(iv) Feedback.

(v) Student engagement.

(viii) Match the following - ~~ambiguous~~ ambiguous

Physics

Equation

Theory

Computation

Graph

blackboard

slides.

Tool.

(ix) what is the appropriate method of teaching Algebra to a secondary school children.

(x) How are content management related to effective teaching.

- Topic not given
- Answer not given

Q.no. 5,

(Q.5)

Ans.

Case I grade Case II

84 }
82 } A

79 }
78 } A-

75

74

73

71

65

62

60 } B

82

80

78

75

76

66

56

45

40

28

grade.

Standard mean?

The grading is relative.