

Lesson plan form for a wastewater treatment lesson training session

General specifications:

Course Title: Wastewater Treatment

Prerequisites: -

Session duration: 2 hours

Audience group: Discontinuous undergraduate students majoring in environmental health

Number of learners: 20

Class location: Virtual

General Objectives (Write the objectives according to different areas and levels) Students are familiar with the discussion of salad mechanics.

* **Behavioral Objectives:** At the end of this course, students should be able to have sufficient knowledge of all physical, chemical and biological methods for wastewater treatment.

Input Behavior Prediction:

Time: 5 minutes

Initial evaluation: At the beginning of the session, learners are asked questions about the general concepts of the discussion and the level of knowledge and motivation of students about the lesson is measured.

Teaching methods: Lecture teaching method - group discussion

Training tools: Using slides (virtual)

Presentation of the lesson {Application of methods and tools, with emphasis on the separation of teacher and student activities} Time: 60

First, questions are asked of the student about the topic under discussion to prepare the student's mind for the topic. Then the topic is discussed with the participation of students.

Conclusion: An overview of what has been said Time: 10

Formative evaluation: Presenting a summary of what is said by students as a random selection of students Time: 10

Assignment: Presenting a few examples of issues for students to review and present in the next session

Analysis and Interpretation: Time: 15

Resources:

- Wastewater engineering: treatment and reuse. Translated by Nematullah Jafarzadeh Haghghi Fard et al. Khaniran Publications, 2011.

- Wastewater treatment: Concepts and design methods. Translated by Hassan Izanloo et al. Mehrmir Al-Momenin Publications, 2008.

- Environmental Engineering, Volume One: Translated by Dr. Kaynejad: Sahand University of Tabriz Press