



Lifelong
Learning
Programme



Programme of the pilot training course

about efficient and ecological use of resources and environmental protection for *environmental engineers* (36 hours)

(DECEMBER 2013- DECEMBER 2014)

Author :Bolu Provincial Directorate of Environment and Urbanization

MONTH	TIME	SUBJECTS	OBJECTIVES	TEACHING- LEARNING METHODS AND TECHNIQUES	EVALUATION
DECEMBER 2013	3	Environment, Ecosystem and Basic Concepts (environment, environmental pollution, ecology, ecosystem, nature, sustainable development, recycling etc.)	<ul style="list-style-type: none"> * To define concepts such as environment, environmental pollution ecology etc. * To define the principles of environmental science * To describe ecosystem and its elements 	Presentation, Listening, Communicative Approach, Question & Answer, Illustration, Description, Group and Pair Work	Ask the participants some evaluation questions if they have any problems about the subject. After checking the evaluations, participants are asked randomly, if any trouble occurs, the lecturer acts immediately and gets the point.
JANUARY 2014	3	Environment, Ecosystem and Basic Concepts (environment, environmental pollution, ecology, ecosystem, nature, sustainable development, recycling etc.)	<ul style="list-style-type: none"> * To define concepts such as environment, environmental pollution ecology etc. * To define the principles of environmental science * To describe ecosystem and its elements 	Presentation, Listening, Communicative Approach, Question & Answer, Illustration, Description, Group and Pair Work	Ask the participants some evaluation questions if they have any problems about the subject. After checking the evaluations, participants are asked randomly, if any trouble occurs, the lecturer acts immediately and gets the point.

<p style="text-align: center;">FEBRUARY 2014</p>	<p style="text-align: center;">3</p>	<p>Causes of Environmental Problems (water pollution, air pollution, wastes, soil pollution etc)</p>	<p>* To explain the causes of environmental problems.</p> <p>* To explain the terms such as pollution, pollutants, wastes etc.</p>	<p>Presentation, Listening, Communicative Approach, Question & Answer, Illustration, Description, Group and Pair Work</p>	<p>Ask the participants some evaluation questions if they have any problems about the subject. After checking the evaluations, participants are asked randomly, if any trouble occurs, the lecturer acts immediately and gets the point.</p>
<p style="text-align: center;">MARCH 2014</p>	<p style="text-align: center;">3</p>	<p>Causes of Environmental Problems (water pollution, air pollution, wastes, soil pollution etc)</p>	<p>* To explain the causes of environmental problems.</p> <p>* To explain the terms such as pollution, pollutants, wastes etc.</p>	<p>Presentation, Listening, Communicative Approach, Question & Answer, Illustration, Description, Group and Pair Work</p>	<p>Ask the participants some evaluation questions if they have any problems about the subject. After checking the evaluations, participants are asked randomly, if any trouble occurs, the lecturer acts immediately and gets the point.</p>
<p style="text-align: center;">APRIL 2014</p>	<p style="text-align: center;">3</p>	<p>Causes of Environmental Problems (water pollution, air pollution, wastes, soil pollution etc)</p>	<p>* To explain the causes of environmental problems.</p> <p>* To explain the terms such as pollution, pollutants, wastes etc.</p>	<p>Presentation, Listening, Communicative Approach, Question & Answer, Illustration, Description, Group and Pair Work</p>	<p>Ask the participants some evaluation questions if they have any problems about the subject. After checking the evaluations, participants are asked randomly, if any trouble occurs, the lecturer acts immediately and gets the point.</p>
<p style="text-align: center;">MAY 2014</p>	<p style="text-align: center;">3</p>	<p>Natural Resources and Environmental Pollution (natural resources and ecosystem, environmental pollution, electromagnetic pollution, nuclear pollution, natural resources of Turkey and environmental pollution etc.)</p>	<p>* To define ecosystem, natural sources and their types</p> <p>* To explain the formation of environmental pollution and its damage</p> <p>* To explain Turkey's natural sources and environmental pollution.</p>	<p>Presentation, Listening, Communicative Approach, Question & Answer, Illustration, Description, Group and Pair Work</p>	<p>Ask the participants some evaluation questions if they have any problems about the subject. After checking the evaluations, participants are asked randomly, if any trouble occurs, the lecturer acts immediately and gets the point.</p>

<p style="text-align: center;">JUNE 2014</p>	<p style="text-align: center;">3</p>	<p>Natural Resources and Environmental Pollution (natural resources and ecosystem, environmental pollution, electromagnetic pollution, nuclear pollution, natural resources of Turkey and environmental pollution etc.)</p>	<ul style="list-style-type: none"> * To define ecosystem, natural sources and their types * To explain the formation of environmental pollution and its damage * To explain Turkey's natural sources and environmental pollution. 	<p>Presentation, Listening, Communicative Approach, Question & Answer, Illustration, Description, Group and Pair Work</p>	<p>Ask the participants some evaluation questions if they have any problems about the subject. After checking the evaluations, participants are asked randomly, if any trouble occurs, the lecturer acts immediately and gets the point.</p>
<p style="text-align: center;">JULY 2014</p>	<p style="text-align: center;">3</p>	<p>Global Environmental Problems (global warming, climate change, depletion of ozone layer, acid rain, wastes and conservation of natural resources etc.)</p>	<ul style="list-style-type: none"> * To describe the basic concepts related to global environmental problems * To describe what global environmental problems are and how they occur * To describe what we can take precautions against global environmental problems * To explain what we can do for conservation of natural resources 	<p>Presentation, Listening, Communicative Approach, Question & Answer, Illustration, Description, Group and Pair Work</p>	<p>Ask the participants some evaluation questions if they have any problems about the subject. After checking the evaluations, participants are asked randomly, if any trouble occurs, the lecturer acts immediately and gets the point.</p>
<p style="text-align: center;">AUGUST 2014</p>	<p style="text-align: center;">3</p>	<p>Global Environmental Problems (global warming, climate change, depletion of ozone layer, acid rain, wastes and conservation of natural resources etc.)</p>	<ul style="list-style-type: none"> * To describe the basic concepts related to global environmental problems * To describe what global environmental problems are and how they occur * To describe what we can take precautions against global environmental problems * To explain what we can do for conservation of natural resources 	<p>Presentation, Listening, Communicative Approach, Question & Answer, Illustration, Description, Group and Pair Work</p>	<p>Ask the participants some evaluation questions if they have any problems about the subject. After checking the evaluations, participants are asked randomly, if any trouble occurs, the lecturer acts immediately and gets the point.</p>

<p style="text-align: center;">SEPTEMBER 2014</p>	<p style="text-align: center;">3</p>	<p>EIA (Environmental Impact Assessment) and National/International Environmental Protection Policies</p>	<ul style="list-style-type: none"> * To describe EIA * To explain national/international dimensions of environment and environmental problems. 	<p>Presentation, Listening, Communicative Approach, Question & Answer, Illustration, Description, Group and Pair Work</p>	<p>Ask the participants some evaluation questions if they have any problems about the subject. After checking the evaluations, participants are asked randomly, if any trouble occurs, the lecturer acts immediately and gets the point.</p>
<p style="text-align: center;">OCTOBER 2014</p>	<p style="text-align: center;">3</p>	<p>EIA (Environmental Impact Assessment) and National/International Environmental Protection Policies</p>	<ul style="list-style-type: none"> * To describe EIA * To explain national/international dimensions of environment and environmental problems. 	<p>Presentation, Listening, Communicative Approach, Question & Answer, Illustration, Description, Group and Pair Work</p>	<p>Ask the participants some evaluation questions if they have any problems about the subject. After checking the evaluations, participants are asked randomly, if any trouble occurs, the lecturer acts immediately and gets the point.</p>
<p style="text-align: center;">NOVEMBER 2014</p>	<p style="text-align: center;">3</p>	<p>Energy (energy sources, relationship between energy and environment, new and clean energy sources- renewable resources etc.)</p>	<ul style="list-style-type: none"> * To define energy and its sources. * To explain relationship between energy and environment * To explain new and clean energy sources- renewable resources 	<p>Presentation, Listening, Communicative Approach, Question & Answer, Illustration, Description, Group and Pair Work</p>	<p>Ask the participants some evaluation questions if they have any problems about the subject. After checking the evaluations, participants are asked randomly, if any trouble occurs, the lecturer acts immediately and gets the point.</p>
<p style="text-align: center;">DECEMBER 2014</p>	<p style="text-align: center;">3</p>	<p>Energy (energy sources, relationship between energy and environment, new and clean energy sources- renewable resources etc.)</p>	<ul style="list-style-type: none"> * To define energy and its sources. * To explain relationship between energy and environment * To explain new and clean energy sources- renewable resources 	<p>Presentation, Listening, Communicative Approach, Question & Answer, Illustration, Description, Group and Pair Work</p>	<p>Ask the participants some evaluation questions if they have any problems about the subject. After checking the evaluations, participants are asked randomly, if any trouble occurs, the lecturer acts immediately and gets the point.</p>