

# environment

*by* Environment Environment

---

**Submission date:** 19-Apr-2021 08:32AM (UTC-0400)

**Submission ID:** 1563527370

**File name:** Envinmental\_Issues.edited\_1.docx (13.79K)

**Word count:** 1254

**Character count:** 6804

Global and Environmental Issues

Institution

Student's Name

Date

**H-3- Global and Environmental issues** In this assignment, your group will write an essay of **3 pages** double spaced in how the course you have taken in your engineering degree plans of **study will help you take global and environmental issues** as you take into account as you pursue your career. You should **first identify what your group believes to be the most important issues**. Your essay **must reflect the global and environmental aspects of engineering** and not merely address ethical issues but also **discuss how your courses could be modified better to prepare you for these international and environmental issues**.

The name of this course is **engineering ethics**; you can make up whatever this paper as good.....

Global and environmental Issues

### **Introduction**

Global and environmental issues are concerned with human actions on the climate, particularly the steps of humans on fire of the fossils, consisting of coal, gas and oil, and deforestation on a large scale. These may cause greenhouse gas emissions in large quantities in the atmosphere like carbon dioxide gas, which is very harmful. Different processes have contributed to the problems associated with environmental issues globally. These processes may include global warming, pollution, depletion of the ozone, acid rain, and biodiversity loss. All of these processes have a major impact and a highly negative impact on the environment. The problem of pollution that affects the world worldwide is the release of large quantities of carbon dioxide and greenhouse gasses, resulting from the burning of fossil fuels from industries. This results in a global problem which may include fluctuation of the temperature and the change of the earth temperature. Other global issues connected with environmental issues are the excessive exploitation of natural resources, and the massive extension of species also contributes to this problem.

### **Engineering Ethics**

Engineering ethics towards the environment are important as they assist in the degradation of global environmental issues. This ethics calls for the engineers to accept and the responsibility while making engineering decisions consistent with health, safety, and public welfare and to be able to disclose the factors that may put the public in danger and the environment. Engineering ethics also consists of environmental ethics, which relates to and considers the moral and the ethical relationship of human beings towards the environment.

## GLOBAL AND ENVIRONMENTAL ISSUES

3

Engineering ethics are very important to every engineer regardless of the level and the field they are in. This is because the engineers are held to a high standard in society the moment they become professional, and therefore, they have to follow some requirements like observing ethics. Safety and honesty are the key points found in the code of ethics for engineers. One of the codes of conduct for the engineers is that safety is the key. This code of conduct calls for the engineers to observe honesty, fairness, impartiality and also equity. Engineers should enhance safety issues and prevent environmental activities that can lead to the loss of life or personal advancement, potentially dangerous. Integrity and honesty is another ethic which the engineers observe because this assists them in the setting of standards towards the professional behaviour.

### **Important Global and Environmental issues**

The group was able to identify some of the global and environmental issues which have recently increased and have become a global ecological problem. Scientific research has been able to continue and bring out the links between human health and the quality of the environment. The environment is continuing to face major problems, and these problems are still increasing and worsening as time goes by. Some of these key issues that the group was able to identify and they are increasingly causing global, and the environmental and which are at the international level include the depletion of the natural resources, water pollution, air pollution, toxic chemicals, global warming and nuclear wastes and issues of radiation.

### **Global Warming**

Global warming is one of the major environmental issues, which involves a gradual increase or rise in temperature of the atmosphere, water, soil and the vegetative cover on the earth's surface. The main causes of this are the greenhouse effect, which emits gases like carbon dioxide, methane and nitrous oxide, which are very harmful. This gas leads to radiations that have no resistance against the inward radiations, which leads to temperature rise and the lower atmosphere, which later leads to global warming.

### **Ozone Depletion and Destruction**

This is brought about by the substances of the ozone-depleting, which include chlorofluorocarbons. It is the gas that is present in the atmosphere at the uppermost part. The ozone layer protects the rays of the UV, which comes from the sun. The UV rays are very hazardous, leading to serious health problems, including sunburn, skin pre-ageing, or even skin cancer. The UV rays are also very dangerous for the marine life because it reduces the amount of the plankton in the water. The ozone layer gets depleted because of the release of the chemicals like chlorine and bromide.

### **Deforestation**

## GLOBAL AND ENVIRONMENTAL ISSUES

4

This is another environmental crisis that involves the clearing of the forests to develop human development whereby the trees are used to produce woods and paper. This has led to negative effects like soil erosion, rain which is irregular, flooding, and increases in greenhouse gases.

### **Water crisis**

Water has become a global and environmental issue as almost a quarter of the world's population is currently facing the water crisis, which is severing. Many countries in the world are at risk as they are facing an acute shortage of water.

### **Pollution**

Water and air pollution has greatly increased and become a critical problem which has increased drastically. These problems are growing in areas that are densely populated and impact both humans and animals alike. This pollution leads to several health issues resulting from air and water pollution.

### **Global and environmental aspects of engineering**

Environment engineering has also become involved in the matters of the environment due to the increasing number of problems related to the environment. Engineers have taken an active part in solving environmental issues. Environmental engineering leads to applying the scientific and engineering principles that improve the environment and maintain it. The ecological engineering assists in protecting the health of the human and assists like the ecosystem, which is beneficial and improves the environmental-related with the enhancement of human life. The environmental engineers have come up with solutions for pollution like water management, water and air pollution control methods, recycling the waste disposal. The engineers have also come up with systems that assist in treating industrial water and developing the regulations that prevent environmental issues from taking place. Engineering also studies the effect of the advancement in technology on matters about the environment, addressing the local and worldwide environmental issues such as acid rain, water pollution, ozone depletion, and air pollution.

### **How the courses could be modified for better preparation of these global and environmental issues.**

The engineering courses can be modified in different ways, which assists the upcoming engineers to come up with inventions and ways of curbing the increase of the environmental

## GLOBAL AND ENVIRONMENTAL ISSUES

5

issues. The courses should be modified to address the design for a safety early so that the best effect can be taken into place. The course should also comprise methods to control water and air pollution, like the recycling processes and ways of disposing of waste without polluting the environment. The systems of managing hazardous waste should also be modified. Also, containment ways on treatment should be put in place to prevent and reduce pollution globally.

# environment

---

## ORIGINALITY REPORT

---

4%

SIMILARITY INDEX

3%

INTERNET SOURCES

0%

PUBLICATIONS

2%

STUDENT PAPERS

---

## PRIMARY SOURCES

---

1

[en.wikipedia.org](https://en.wikipedia.org)

Internet Source

3%

---

2

Submitted to Western Governors University

Student Paper

2%

---

Exclude quotes  Off

Exclude matches  Off

Exclude bibliography  On