



CHRIST
COLLEGE (AUTONOMOUS)
IRINJALAKUDA, KERALA
Reaccredited by NAAC with 'A' grade

COURSE CODE

NAME OF THE COURSE

CVAC009

ENVIRONMENTAL POLLUTION

OFFERED BY

Botony

ABOUT COLLEGE

COURSE COORDINATOR

Ms. Sabeena A. M
Botony

Chirst College (Autonomous), Irinjalakuda established in the year 1956 by CMI fathers has always been a place where young generations are moulded towards a bright future. College has excellent infrastructure, with state of the art laboratories, seminar rooms and lecture halls. The campus is Wi-Fi enabled. Presently College is home for 4500+ students, 200 teaching staff and 45 supporting staff. The strength of the College lies in its hardworking and tech savvy teachers who are eager to involve in all matters of students. The lush green campus with gardens and open gym is moving towards the next phase on education both offline and online.

LEARNING OUTCOMES

- Understanding of the major problems associated with pollution of the atmosphere, water, the land surface and the food chain.
- Understanding of problems of pollution of the food chain by potentially toxic elements and persistent organic pollutants.

COURSE MODULE

Module I: Sources of Pollutions

Module II: Noise Pollution

Module III: Environmental Management

SYLLABUS

MODULE I

The causes of global warming, ozone depletion, enhanced N and S emissions - Major sources of air, water and soil pollutants - Effects of pollutants on physico-chemical and biological properties surrounding atmosphere – Air and water born diseases and their effects on health - Group Discussion. (10 Hours)

MODULE II

Air, drinking water and waste water quality standard - Major sources of noise pollution, effects of noise pollution on health - Noise level standard in industrial, commercial, residential and silence zones - Radioactive and thermal pollution sources and their effects on surrounding environment - Group Discussion. (10 Hours)

MODULE III

Environmental management - Environmental indicators and their use in resource management, intellectual property rights - Sustainable development - Solid waste disposal and its effects on surrounding environment - Group Discussion. (10 Hours)

REFERENCE

The Science of Environmental Pollution by Frank R. Spellman

Air Pollution: Supplement to Measurements, Monitoring, Surveillance, and Engineering by Arthur C Stern.

Pollution Monitoring and Control” by V K Prabhakar